1000 (+) Patterns

in 4, 6, and 8 Harness Shadow Weaves

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THREADING

This presentation of SHADOW WEAVE is entirely new in that it is based on profiles. True, adjustments are necessary in preferred method of threading, but they are simple and easy to understand. We can look on the profile as a road map, and know how to chart our destination.

As the eye moves more readily in a horizontal than vertical line, the horizontal pin stripes will be considered positive, vertical stripes negative.

Favorite profiles for other weaves may be transposed to Shadow Weave, new profiles may be made and old favorites altered. In such weaves as overshot and crackle the treadling draft is used.

THREADING METHODS

Preferred

1. Outline of blocks which are entirely dark or light, all four sides will be dark or light, in a cross entire outline will be dark or light, etc.

2. All ascending and descending units and blocks have even number of ends. Turning points have odd numbers.

3. Incidentals are necessary at turning points. In opposites one light end is usually dropped.

4. It is not always possible to reduce drafts and retain proportions.

5. In ascending progression dark precedes light, in descending progression light precedes dark.

Secondary

1. Outline will be part dark and part light.

2. All units and blocks have even number of ends.

3. No incidentals are necessary.

4. Drafts may be reduced while retaining proportions, except in the case of a combination of units and blocks where unit form must remain static.

5. Dark always precedes light.

The preferred method is given for all drafts. Where space allows the secondary method is also included. An examination of the Figure section will show both dark-light and structure differences.

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SHADOW WEAVE-General

In the traditional form this is a two color weave, dominant color dark, shadow light. These dark and light ends alternate (except in the case of opposites), giving a hair line effect, part of the pattern consisting of horizontal lines and the other vertical lines.

Ends may be in unit formation (one dark and one light end, or in block formation (several dark and light ends alternating).

In shift from one unit or block to another there is a two thread overshot, which in unit formation gives a featherstich and in block formation an outline. The four shaft unit formations will have the greatest number of overshots, and the multiharness block formations the least number of overshots.

Shadow Weave is thus a firm, durable weave which is suitable for many types of fabric.

Each shaft controls a single pattern block, thus, unit or block potential is determined by number of shafts.

The weave is completely reversable. Vertical stripes on top side of fabric are horizontal on under side. Dark floats on top side of fabric are light on the underside.

The three dimensional factor of Shadow Weave is very strong, and changes when viewed from different angles.

In contemporary Shadow Weave we have the priviledge of using all kinds of combinations in warp and weft. These could be thick and thin, shiny and dull, textured and smooth, change of color combinations from one part or repeat of pattern to other, change of color combinations regardless of pattern, mono warps--and many, many others.

Distance at which piece is to be viewed is of utmost importance. What is great in a placemat directly before our eyes could lose all individuality in draperies which would be seen across a room. Pattern, size of fibers and color contrasts all enter in here. When working on the loom and wishing to see distance perspective there are several methods which may be used to accomplish this. A reducing glass may be used, or the sight of your camera. Squinting helps, but let's forget the ladder "bit"-- too easy to fall down.

Samples for sunshine should be viewed in sunshine, pieces for night under artifical light and the night-day things under both natural and artificial lighting. Colors which may appear identical in natural light can be quite different under artificial illumination.

PLEASE-PLEASE-PLEASE make samples. A very shight variation in color or size of fiber can make a great deal of difference. If after doing a piece you are really not happy about it, well, dry dipping a small sample in light dye which is compatible to colors used, which can bring the piece together. But, PLEASE-PLEASE-PLEASE make samples.

SHADOW WEAVE-This and that.

BORDERS amy consist of one single block, or can be in a Shadow Weave twill progression. In the latter case it is usually more pleasing if the progression on right side is ascending while that on left side is descending.

SETT, usually that for plain weave, however, in the four shaft twill or extended point twills a twill sett may be used.

SELVIDGES may be treated in same manner as borders.

In some of the patterns two ends are sometimes together on the same shaft. When possible sley them in different dents. If this is not possible, from time to time check that ends are not twisted. If they are, gently straighten.

Sometimes certain warp ends seem to persistently get out of alignment. When this occurs usually one of the ends is a little loose. A weight on the offending end will often correct the problem. Weaving with a tighter than usual tension also seems to keep warp threads in proper order.

In some deafts when a sigle dark end in warp is crossed by a single dark pick at turning points, there occurs a heavy dark line horizontally in fabric. This may be overcome to some extent by giving an extra heavy beat to the following pick.

In complicated threadlings it is wise to slip a fine smooth thread of contrasting color to warp and weft at beginning of each pattern repeat. They can be left in for several repeats and then pulled out and reused as the weaving progresses.

A single pattern enlarges is often very pleasing for such items as baby blankets, place mats, cushions, stoles and such. If desire the pattern may be used as border and one block threadled for fody of article.

Four shaft drafts may be expanded to six or eight shafts, eight or six shaft drafts reduced to four. They will turn out differently, but there will be a similarity.

Ideas for patterns may come from almost anywhere. Cloud to carpets. DO try different threadings, treadlings, color and texture combination.

To accentuate pattern, in weft one may use a heavy light end with thin dark end to lighten pattern, or a heavy dark pick and light thin pick to darken pattern.

For some fabrics a 50-50 balance of warp and weft is a safety precaution-- but in other articles it may be ignored.

Happy weaving!

SYMBOLS

Dark ends in threading and treadling may be indicated as A-B-C-D-E-F-G- or A-B-C-D-E-F-G-H or 1-2-3-4-5-6-7-8.

Light ends in threading and treadling are indicated as a-b-c-d-e-f-g-h or 1-2-3-4-5-6-7-8.

All ends the same (structure) indicated by "x" or 1-2-3-4-5-6-7-8.

WRITING DRAFTS.

In TRADITIONAL Shadow Weave dark and light ends alternate, except in the case of opposites.

Two color pencils, one end red and the other blue, are excellent for writing drafts. Blue end for dark, red end for light.

PROCEDURE

1. On draft paper write down working profile. In preferred threading adjustments are necessary. Write down actual prolile. Adjustments for preferred threading as follows:

   a. At turning points when both ascending and descending profile has the same number of units, a more pleasing pattern will result if same number of ends are used at both points.

   b. In unit form extra light end is added at ascending turning point. It is possible to drop one light end, however, in so doing there is often a distortion which occurs at point where threading and treadling meet.

   c. In block formation one dark end is eliminated in body of draft at descending turning point. If piece is to have border this dark end is used at the beginning and end of draft.

   d. In opposited one light end is usually dropped when shift is made from one shaft to it's opposite shaft.

In secondary threading no adjustments are necessary. Remember that in preferred threading dark precedes light in ascending form, light precedes dark in descending form. In secondary threading dark always precedes light.

2. Write in MAGIC KEY for number of shafts in draft.

3. Write in draft. All dark ends may first be entered, with shadow ends added later, or full units and blocks done at the same time.

4. Check draft.

DRAW DOWNS

Four types of SHADOW WEAVE draw downs which can be of particular value.

1.	SHADOW WEAVE	Dark Light	3.	MINI
2.	SWITCH	Dark Light	4.	STRUCTURE

It has generally been considered that dark light draw downs for Shadow Weave are difficult and time consuming. This is true when the old method (similar to color draw downs) is used. However, with use of Shadow Weave and Switch charts time and effort is greatly reduced.

SHADOW WEAVE-Dark Light. On draft paper enter profile and if necessary working profile. Enter tie and threading. Refer to draw down chart. For body of draft simply follow chart entering dark ends in proper position on draft paper. Light ends may be left blank.

For instance, in four block Shadow Weave with treadle 1 dark (indicating unit or block A), all dark ends in threading will be dark in draw down, plus the light ends a & b. On treadle 2 light (indicating unit or block a) only dark ends C & D will be dark. It will be noted that the incidental (in this case C) is dark both horizontally and vertically. Proceed in this manner to complete the draft. Use of templates for each pick greatly speed up completion of draft.

SWITCH-Dark Light. Switch is just what name implies. The Shadow Weave dark light sequence is interchanged. Usually the switch treadling is more subdued than that of Shadow Weave, and the featherstitch is lost.

MINI drafts. These are not absolutely accurate (incidentals at turning points change horizontal-vertical relationships) but they are of immense value in planning both threadings and treadlings. In conjunction with profile they simplify reduction or expanshion of draft.

Procedure is that of doing an ordinary draw down,with twill tie. Dark and light are ignored. Tie for four shaft would be treadle 1 (A) shafts 1-2, treadle 2 (B) 2-3, treadle 3 (C) treadle 3-4 and treadle 4 (D) 4-1. Six shaft tie would be treadle 1 (A) shafts 1-2-3, treadle 2 (B) 2-3-4, treadle 3 (C) 3-4-5, etc. Eight shaft tie treadle 1 (A) shafts 1-2-3-4, treadle 2 (B) 2-3-4-5, treadle 3 (C) 3-4-5-6, etc.

The dark outline on loom side of fabric will follow incidentals. On underside of fabric this outline will be light. It is not necessary to include outline.

STRUCTURE. Here dark and light are ignored and interlacement is shown. By comparison with the dark light draw downs it immediately becomes apparent that outlines and featherstich are determined by the incidentals.

The structure of Shadow Weave and Switch patterns are the same. Structure for preferred and secondary threadings can be quite different in various drafts. See Figures 43 and 44. It also becomes apparent that sometimes adjustments should be made in a threading where the dark light factor is ignored. This is apparent in Figure 43 where there are 10 ends on the 5-6 shaft series, and 12 ends on the 1-2 series in body of draft.

An here we have a completely new field. If a single color is used in warp and weft a slight pattern is shown which would relieve the sometimes monotany of a plain weave. This is particularly true if fibers used are smooth and shing. Another variation which calls for and deserves exploration is the use of a light weft and dark warp (usually better than dark warp and light weft). This facet of Shadow Weave could prove an excellent guild project.

DRAW DOWN CHART

SHADOW WEAVE				SWITCH		
Des.	Shaft	DARK	DARK	Des.	Shaft	DARK
4 Shaft						
A	1	ABCD + ab		a	1	AB
a	2	CD		A	2	ABCD + cd
B	3	ABCD + bc		b	3	BC
b	4	A D		B	4	ABCD + da
C	2	ABCD + cd		c	2	CD
c	1	AB		C	1	ABCD + ab
D	4	ABCD + da		d	4	A D
d	3	BC		D	3	ABCD + bc
6 Shaft						
A	1	ABCDEF + abc		a	1	ABC
2	2	DEF		A	2	ABCDEF + def
B	3	ABCDEF + bcd		b	3	BCD
b	4	A EF		B	4	ABCDEF + efa
C	5	ABCDEF + cde		c	5	CDE
c	6	AB F		C	6	ABCDEF + fab
D	2	ABCDEF + def		d	2	DEF
d	1	ABC		D	1	ABCDEF + abc
E	4	ABCDEF + efa		e	4	A EF
e	3	BCD		E	3	ABCDEF + bcd
F	6	ABCDEF + fab		f	6	AB F
f	5	CDE		F	5	ABCDEF + cde
8 Shaft						
A	1	ABCDEFGH + abcd		a	1	ABCD
a	2	EFGH		A	2	ABCDEFGH + efgh
B	3	ABCDEFGH + bcde		b	3	BCDE
b	4	A FGH		B	4	ABCDEFGH + fgha
C	5	ABCDEFGH + cdef		c	5	CDEF
c	6	AB GH		C	6	ABCDEFGH + ghab
D	7	ABCDEFGH + defg		d	7	DEFG
d	8	ABC H		D	8	ABCDEFGH + habc
E	2	ABCDEFGH + efgh		e	2	EFGH
e	1	ABCD		E	1	ABCDEFGH + abcd
F	4	ABCDEFGH + fgha		f	4	A FGH
f	3	BCDE		F	3	ABCDEFGH + bcde
G	6	ABCDEFGH + ghab		g	6	AB GH
g	5	CDEF		G	5	ABCDEFGH + cdef
H	8	ABCDEFGH + habc		h	8	ABC H
h	7	DEFG		H	7	ABCDEFGH + defg

TIE-UP

ABCDEFGH: Unit-block designations
"o" rising shed looms
"x" sinking shed looms.

Sinking shed tie used for draw-downs.

This tie-up used on all drafts, except 8S series.

EIGHT SHAFT

UNIT DESIGNATION

D^{H}	D^{H}	D^{H}	D^{H}
C^{G}	C^{G}	C^{G}	${}^{G}C$
B^{F}	B^{F}	${}^{F}B$	${}^{F}B$
A^{E}	${}^{E}A$	${}^{E}A$	${}^{E}A$
AE	BF	CG	DH
12	34	56	78

TREADLE

RISING SHED

o^{o}	o^{o}	o^{o}	o^{o}
o^{o}	o^{o}	o^{o}	${}^{o}o$
o^{o}	o^{o}	${}^{o}o$	${}^{o}o$
o^{o}	${}^{o}o$	${}^{o}o$	${}^{o}o$
AE	BF	CG	DH
12	34	56	78

TREADLE

SINKING SHED

${}^{x}x$	${}^{x}x$	${}^{x}x$	${}^{x}x$
${}^{x}x$	${}^{x}x$	${}^{x}x$	x^{x}
${}^{x}x$	${}^{x}x$	x^{x}	x^{x}
${}^{x}x$	x^{x}	x^{x}	x^{x}
AE	BF	CG	DH
12	34	56	78

SIX SHAFT

C^{F}	C^{F}	C^{F}
B^{E}	B^{E}	${}^{E}B$
A^{D}	${}^{D}A$	${}^{D}A$
AD	BE	CF
12	34	56

TREADLE

o^{o}	o^{o}	o^{o}
o^{o}	o^{o}	${}^{o}o$
o^{o}	${}^{o}o$	${}^{o}o$
AD	BE	CF
12	34	56

TREADLE

${}^{x}x$	${}^{x}x$	${}^{x}x$
${}^{x}x$	${}^{x}x$	x^{x}
${}^{x}x$	x^{x}	x^{x}
AD	BE	CF
12	34	56

FOUR SHAFT

B^{D}	B^{D}
A^{C}	${}^{C}A$
AC	BD
12	34

TREADLE

o^{o}	o^{o}
o^{o}	${}^{o}o$
AC	BD
12	34

TREADLE

${}^{x}x$	${}^{x}x$
${}^{x}x$	x^{x}
AC	BD
12	34

SYMPATHETIC JOINING OF UNITS and/or BLOCKS, with incidentals.

First column: Unit and/or block designations
Second column: Weaves units and/or blocks
Third column: First end of following unit and/or block (incidental)

4 SHAFT

A	AB	C
B	BC	D
C	CD	A
D	DA	B

6 SHAFT

A	ABC	D
B	BCD	E
C	CDE	F
D	DEF	A
E	EFA	B
F	FAB	C

8 SHAFT

A	ABCD	E
B	BCDE	F
C	CDEF	G
D	DEFG	H
E	EFGH	A
F	FGHA	B
G	GHAB	C
H	HABC	D

This incidental which creates a two thread overshot, gives the Light-Dark development of Shadow Weave it's featherstich in unit form, outline in block form, and in structure furnishes pattern and texture.

MAGIC KEY

There is a MAGIC KEY which is so simple to learn, and that when followed enables one to write their own threadings and treadlings, and figure out tie-up without reference to charts.

This MAGIC KEY changes with number of shafts used, and is as follows;

FOUR SHAFT

A	$\underline{1}$-2	C	$\underline{2}$-1
B	$\underline{3}$-4	D	$\underline{4}$-3

SIX SHAFT

A	$\underline{1}$-2	D	$\underline{2}$-1
B	$\underline{3}$-4	E	$\underline{4}$-3
C	$\underline{5}$-6	F	$\underline{6}$-5

EIGHT SHAFT

A	$\underline{1}$-2	E	$\underline{2}$-1
B	$\underline{3}$-4	F	$\underline{4}$-3
C	$\underline{5}$-6	G	$\underline{6}$-5
D	$\underline{7}$-8	H	$\underline{8}$-7

It will be noted that A and B remain static, but as additional shafts are added the designations change.

Just remember that A-B-C-D-E-F-G-H are unit or block designations, that the underlined numerals mean dark ends on treadles $\underline{1}$ $\underline{2}$ $\underline{3}$ $\underline{4}$ $\underline{5}$ $\underline{6}$ and that numerals which are not underlined 1-2-3-4-5-6-7-8 indicate light ends on these treadles.

In writing drafts, figuring out treadlins and tie-up the MAGIC KEY may be jotted down on draft paper, or printed in large numbers and letters to be attached to the loom for quick reference.

WARP and WEFT suggestions.

BLACK and WHITE. The strongest combination and can produce dramatic results, The fatter the thread the bolder the pattern. In fine thread when viewed from a distance results can be blurred and indistinct.

COMPLIMENTARY colors, Those across from each other on the color wheel. Red and green, orange and blue, yellow and violet. These combinations have not worked well for me, but I have seen several pieces done by others which have turned out very well. There is a tendency to grey each other, so in close proximity results may be muddy and sluggish.

ANALOGOUS colors. Or those adjoining each other on the color wheel. Red with orange or violet, blue with green or violet, yellow with orange or green. Usually a happy combination.

SHADES of same color, It is difficult to get one of these combinations that is not satisfactors, however, they can lack excitement.

SAME or closely related colors-DIFFERENT fibers.Usually a very good combination, particularly with luxury yarns, Can be very hansome.

MONO. All fibers the same. This opens up an entirely new aspect of Shadow Weave and is discussed in more detail under Structure.

UNIT or BLOCK differentials,one common color. This is most satisfactory in block development. Some of the blocks of pattern are threaded in one set of colors, the other blocks retain one of these colors but change the second color. Colors should be compatible so that if same sequence is used in treadling they will be congenial.

DIFFERENTIALS in both sets of colors. May be used with either block or indescriminate arrangements. Can get somewhat "busy", particulary if color switches are short.

HIT or MISS, Either dark or light is retained (it is usually more simple to keep the dark), and several closely related lights are used indescriminately. The dark light sequence is retained.

COMPLETE ABANDONMENT. Compatible colors, Best used with uncomplicated drafts in block form. We could think of these as texture warps. Stimulating.

Weft does not have to be the same as warp. Either one or both colors or fibers may be changed.

Much depends on type of fiber used, Stiff materials such as linen do not bend as would a wool or silk.

Do experiment, and again, PLEASE-PLEASE-PLEASE make samples. Large enought to try out different treadlings and weft combinations.

SHADOW WEAVE-Figures. All Powell method except #2.

1	Dark-Light	Preferred	Block	Powell method	
2	"	"	"	Atwater method	
3	"	"	Unit	4 shaft	
4	"	"	"	6 shaft	
5	"	"	"	8 shaft	
6	Structure	"	"	4 shaft	
7	"	"	"	6 shaft	
8	"	"	"	8 shaft	
9	Dark-Light	Secondary	"	4 shaft	
10	"	"	"	6 shaft	
11	"	"	"	8 shaft	
12	Structure	"	"	4 shaft	
13	"	"	"	6 shaft	
14	"	"	"	8 shaft	
15	Dark-Light	Preferred	Block	4 shaft	
16	"	"	"	6 shaft	
17	"	"	"	8 shaft	
18	Structure	"	"	4 shaft	
19	"	"	"	6 shaft	
20	"	"	"	8 shaft	
21	Dark-Light	Secondary	"	4 shaft	
22	"	"	"	6 shaft	
23	"	"	"	8 shaft	
24	Structure	"	"	4 shaft	
25	"	"	"	6 shaft	
26	"	"	"	8 shaft	
27	Switch	Preferred	Unit	4 shaft	
28	"	"	"	6 shaft	
29	"	"	"	8 shaft	
30	"	Secondary	"	4 shaft	
31	"	"	"	6 shaft	
32	"	"	"	8 shaft	
33	"	Preferred	Block	4 shaft	
34	"	"	"	6 shaft	
35	"	"	"	8 shaft	
36	"	Secondary	"	4 shaft	
37	"	"	"	6 shaft	
38	"	"	"	8 shaft	
39	Novelty-Tie	Preferred	"	8 shaft 8S-2	
40	Structure	"	"	4 shaft 3 units	
41	Dark-Light	"	"	6-15	opposites
42	"	Secondary	"	6-15	"
43	Structure	"	"	6-15	"
44	"	"	"	6-15	"
45	Dark-Light	Preferred	Undulating	4-20	
46	"	"	Ex. Pt. Tw.	6-4	
47	"	"	Combination	8-26	units and blocks
48	Structure	"	ref.#45	4-20	
49	"	"	ref.#46	6-4	
50	"	"	ref.#47	8-26	

SHADOW WEAVE- POWELL method. DARK-LIGHT draw down. Preferred threading.

Rosepath development in block form (3 units). Ends per repeat 46. Repeats 1 1/2. Treadling "tromp as writ". One *A unit dropped in body of draft so that turning points will have equal number of ends. If piece is to have border add an extra *A at beginning and end of draft.

PROFILE

```
             DDD   DDD
          CCC         CCC
       BBB               BBB
*AA             AAA
```

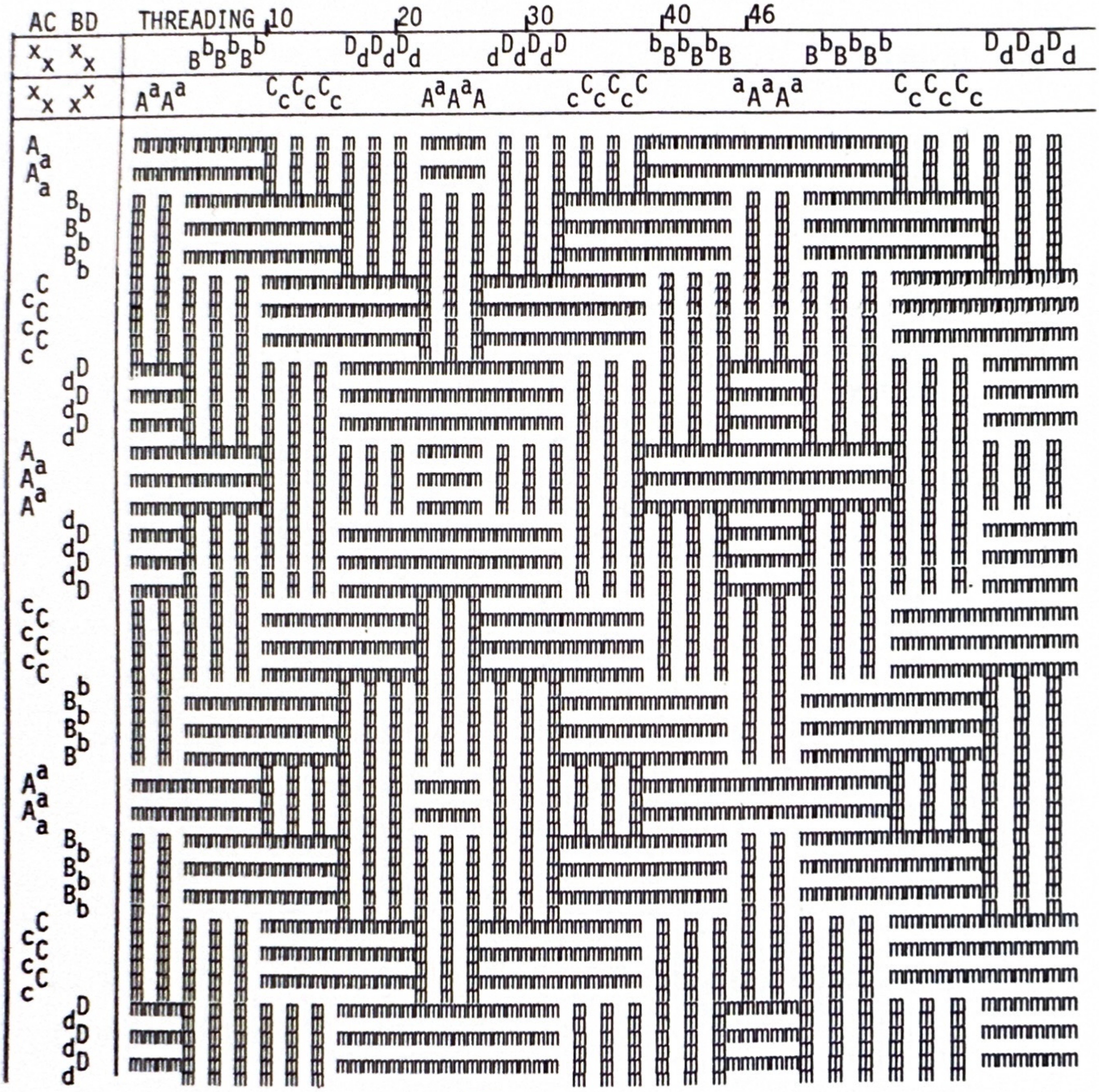


Figure 1

SHADOW WEAVE-ATWATER method. DARK-LIGHT draw down. Preferred threading.

Rosepath development in block form (3 units). Ends per repeat 46. Repeats 1 1/2. Treadling "tromp as writ". One *A unit dropped in body of draft so that turning points will have equal number of ends. If piece is to have border add an extra *A at beginning and end of draft.

THREADING

```
              DDD     DDD
          CCC             CCC
      BBB                     BBB
  *AA           AAA
```

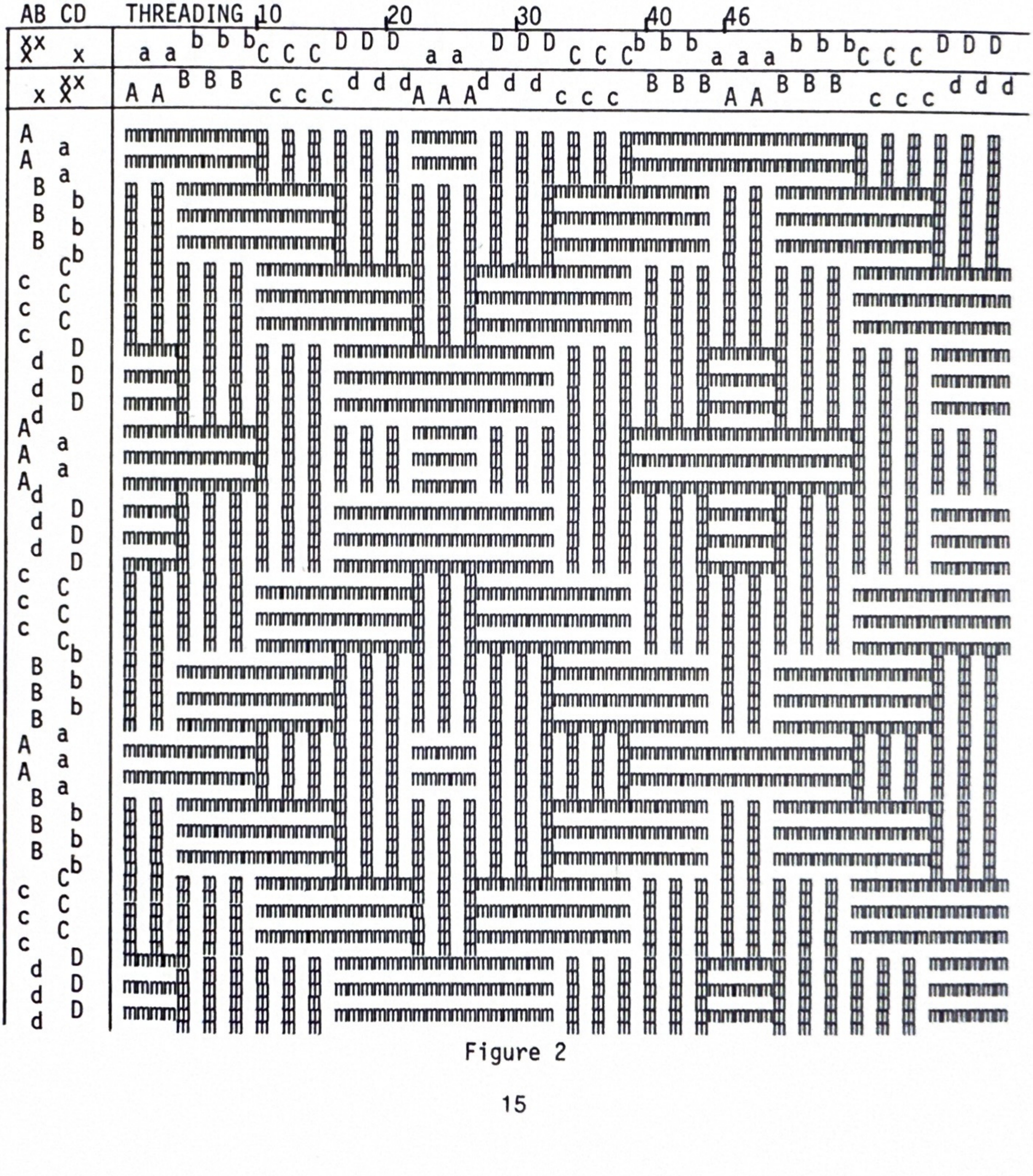


Figure 2

SHADOW WEAVE- Four shaft DARK-LIGHT draw-down. Preferred threading.

Rosepath development in unit form. Number ends per pattern 18. Repeat 2 patterns. Treadling "tromp-as-writ".

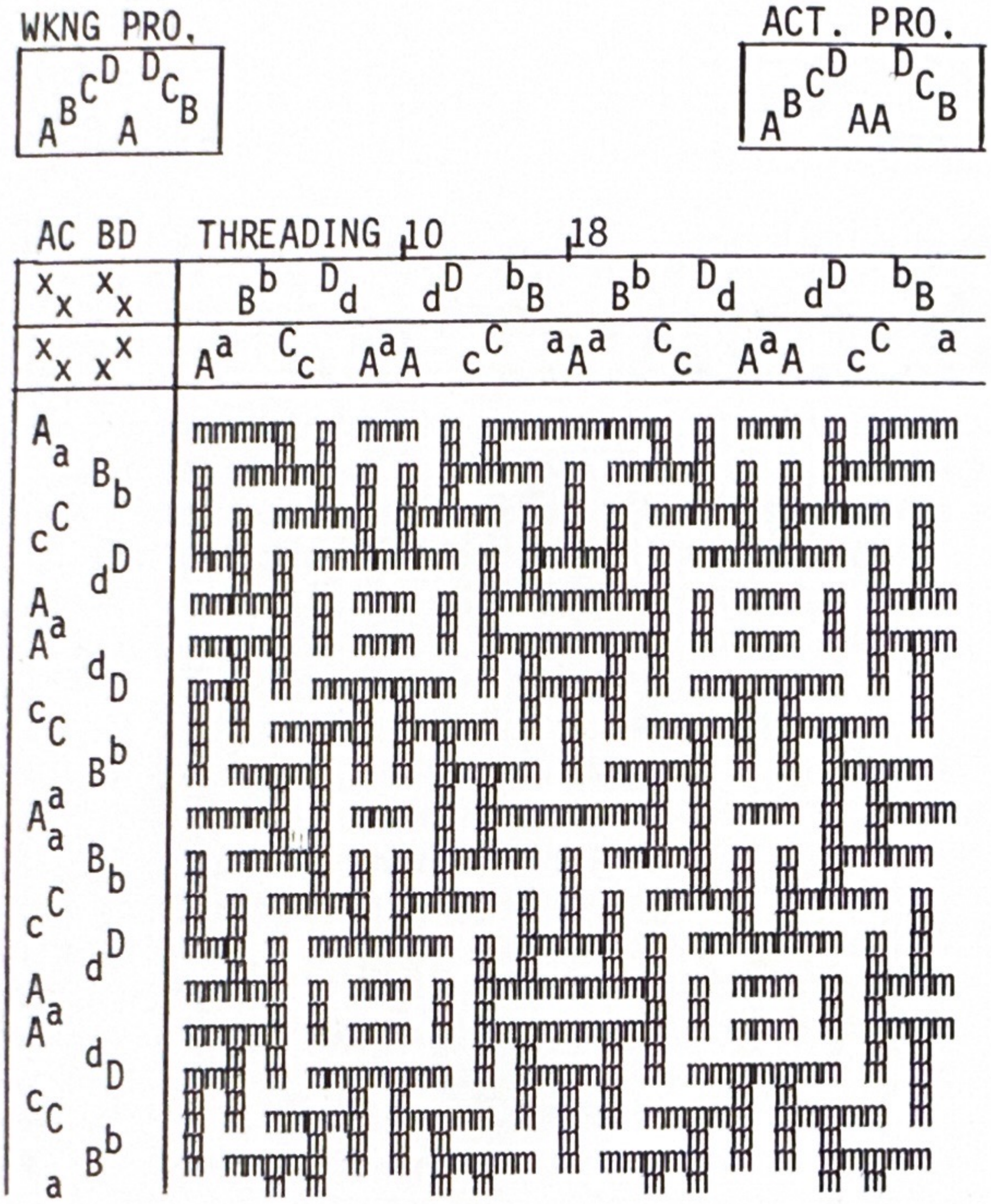
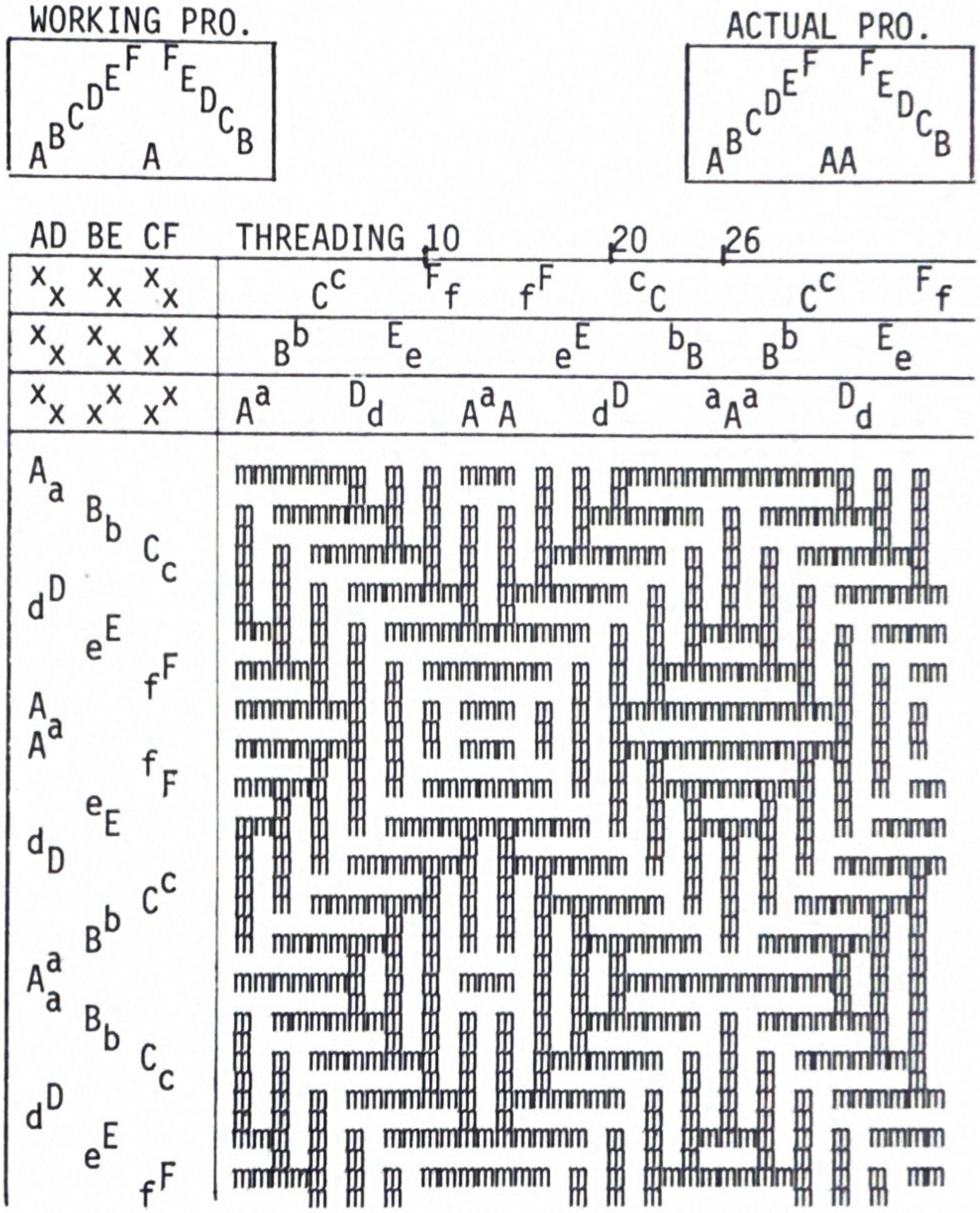

WKNG PRO.
ACT. PRO.
AC BD
THREADING 10 18

Figure 3

SHADOW WEAVE- Six shaft DARK-LIGHT draw-down. Preferred threading.

Rosepath development in unit form. Number ends per pattern 26. Repeats 1 1/2 patterns. Treadling is "tromp as writ".



WORKING PRO.
ACTUAL PRO.
AD BE CF
THREADING 10
20
26

Figure 4

SHADOW WEAVE-Eight shaft DARK-LIGHT draw down. Preferred threading.

Rosepath development in unit form. Number ends per pattern 34. Repeat 1 1/2 patterns. Treadling "tromp as writ".

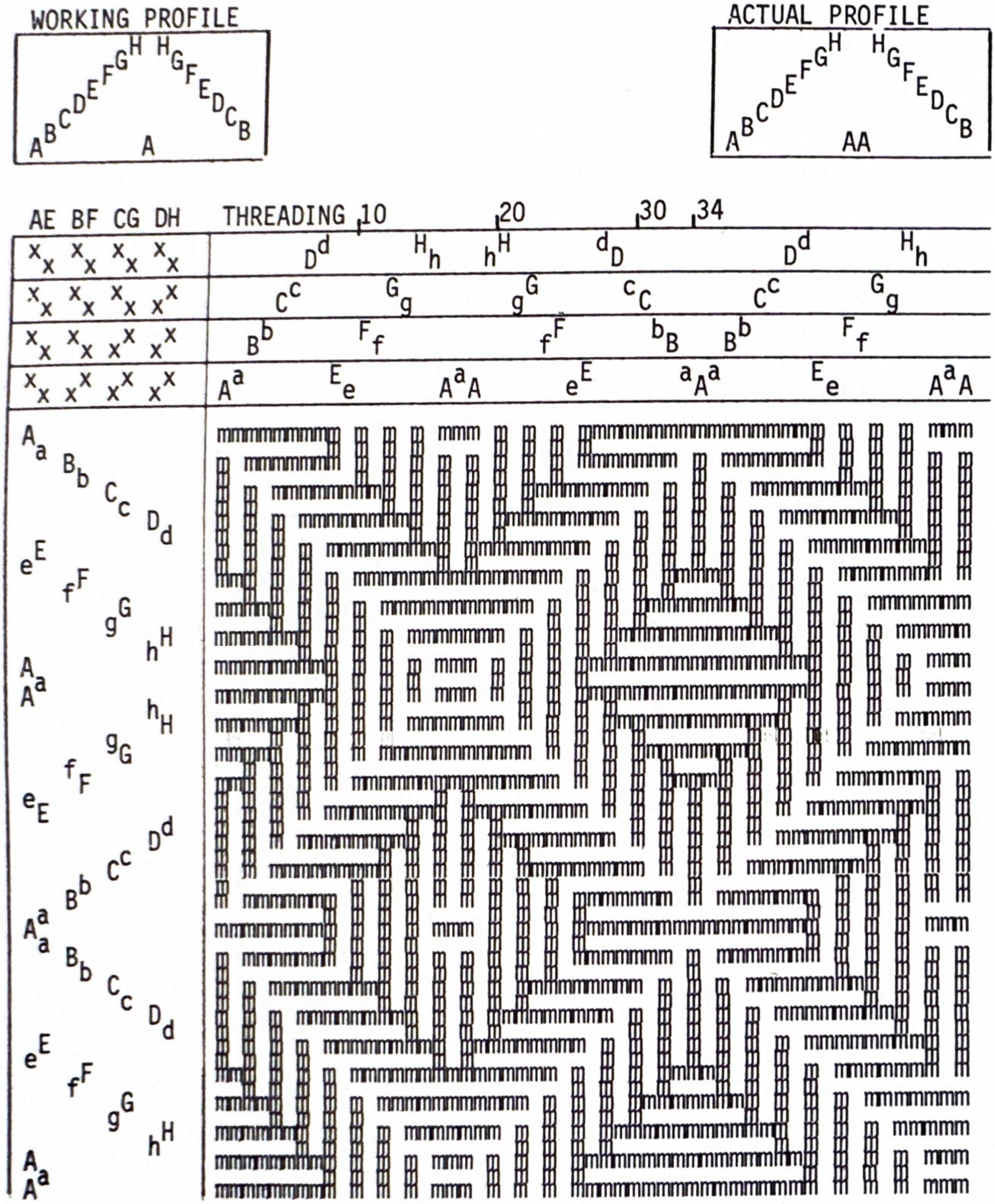

WORKING PROFILE
ACTUAL PROFILE
AE BF CG DH
THREADING
10
20
30
34

Figure 5

SHADOW WEAVE- four shaft STRUCTURE draw down. Preferred threading.

Rosepath development in unit form. Number ends per repeat 18. Two repeats. Dark and light ignored in threading and treadling. Treadling is "tromp as writ". Numbers used as symbols.

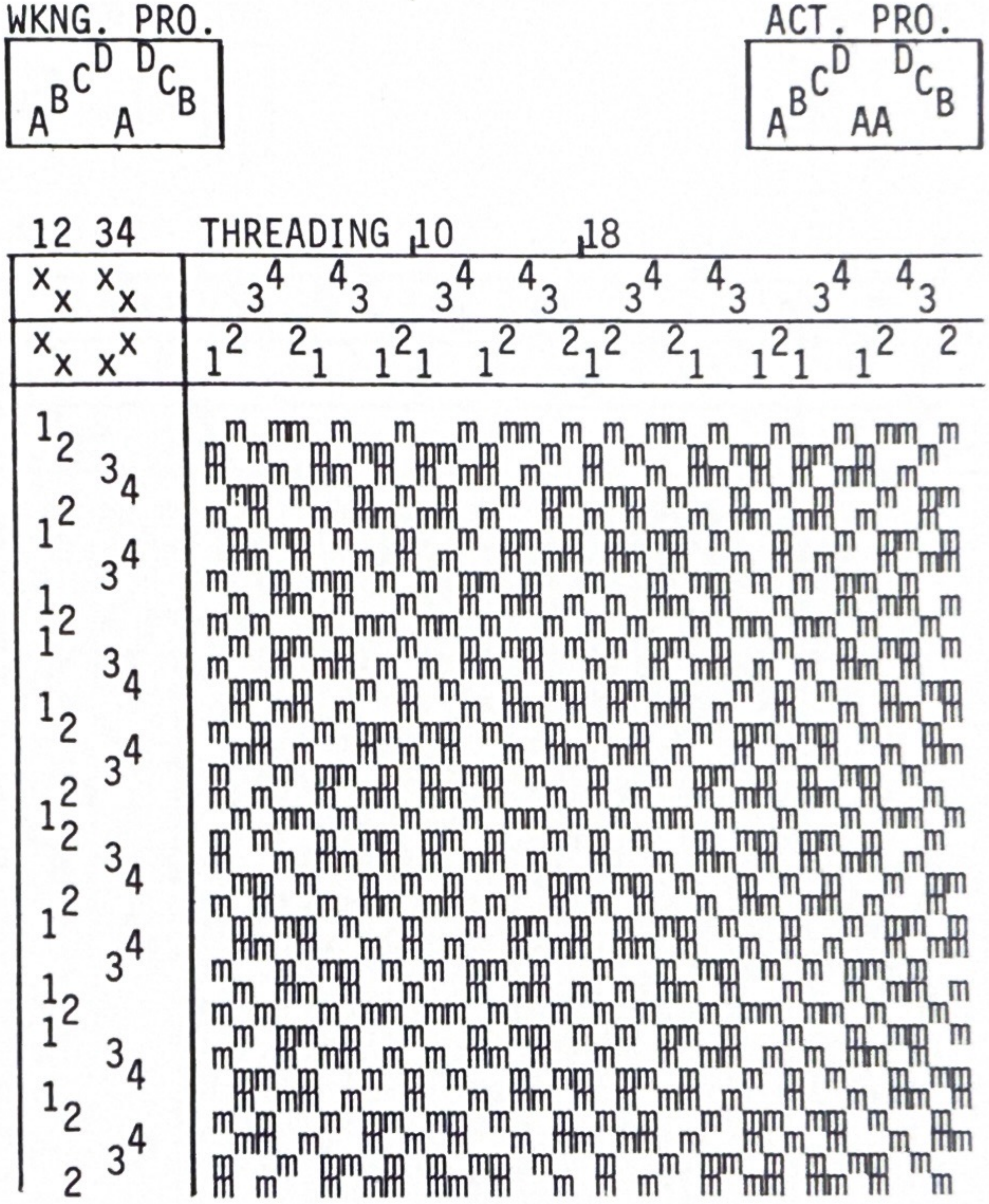

WKNG. PRO.
ACT. PRO.
12 34
THREADING
10
18

Figure 6

SHADOW WEAVE- six shaft STRUCTURE draw down. Preferred threading.

Rosepath development in unit form. Number ends per repeat 26. Repeats 1 1/2 patterns. Treadling "tromp as writ". Dark and light ignored in threading and treadling. Numbers used as symbols.

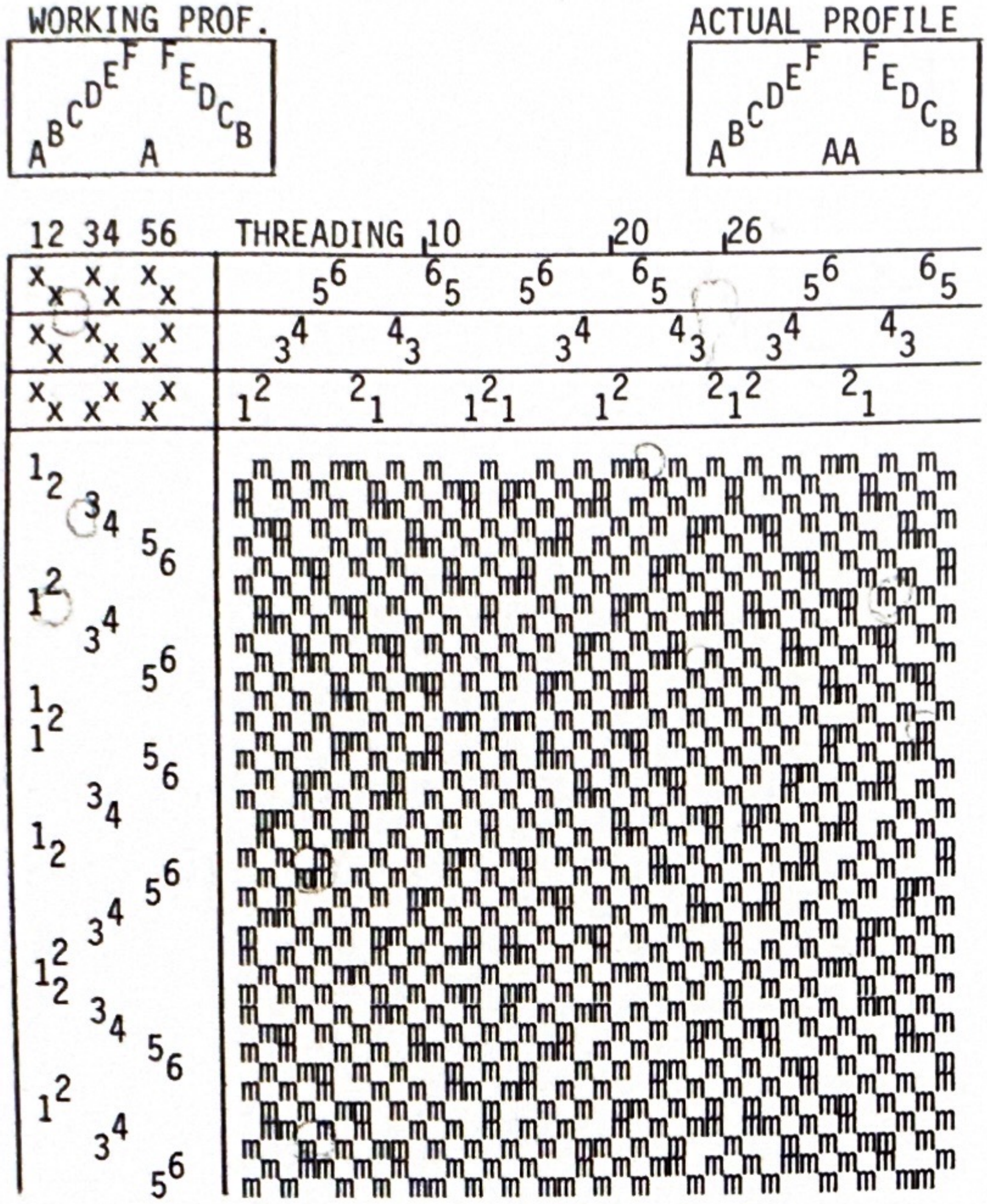

WORKING PROF.
ACTUAL PROFILE
12 34 56
THREADING
10
20
26

Figure 7

SHADOW WEAVE- eight shaft STRUCTURE draw down. Preferred threading.

Rosepath development in unit form. Number ends per pattern 34. Repeats 1 1/2 patterns. Treadling "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols.

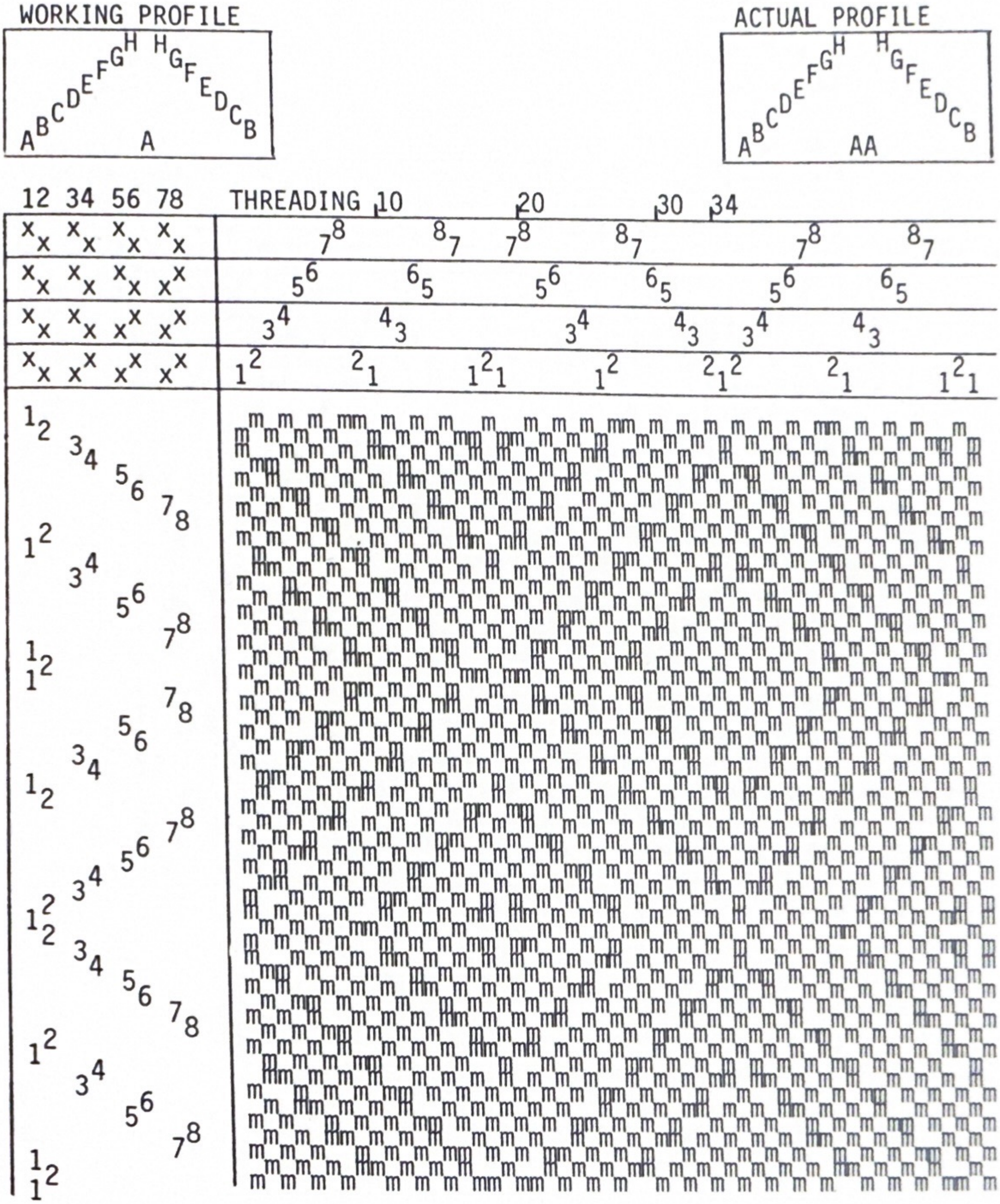

WORKING PROFILE
ACTUAL PROFILE
12 34 56 78
THREADING 10
20
30
34

Figure 8

SHADOW WEAVE-Four shaft DARK-LIGHT draw down. Secondary threading.

Rosepath development in unit form. Number ends per repeat 16. Two repeats. Treadling is "tromp as writ".

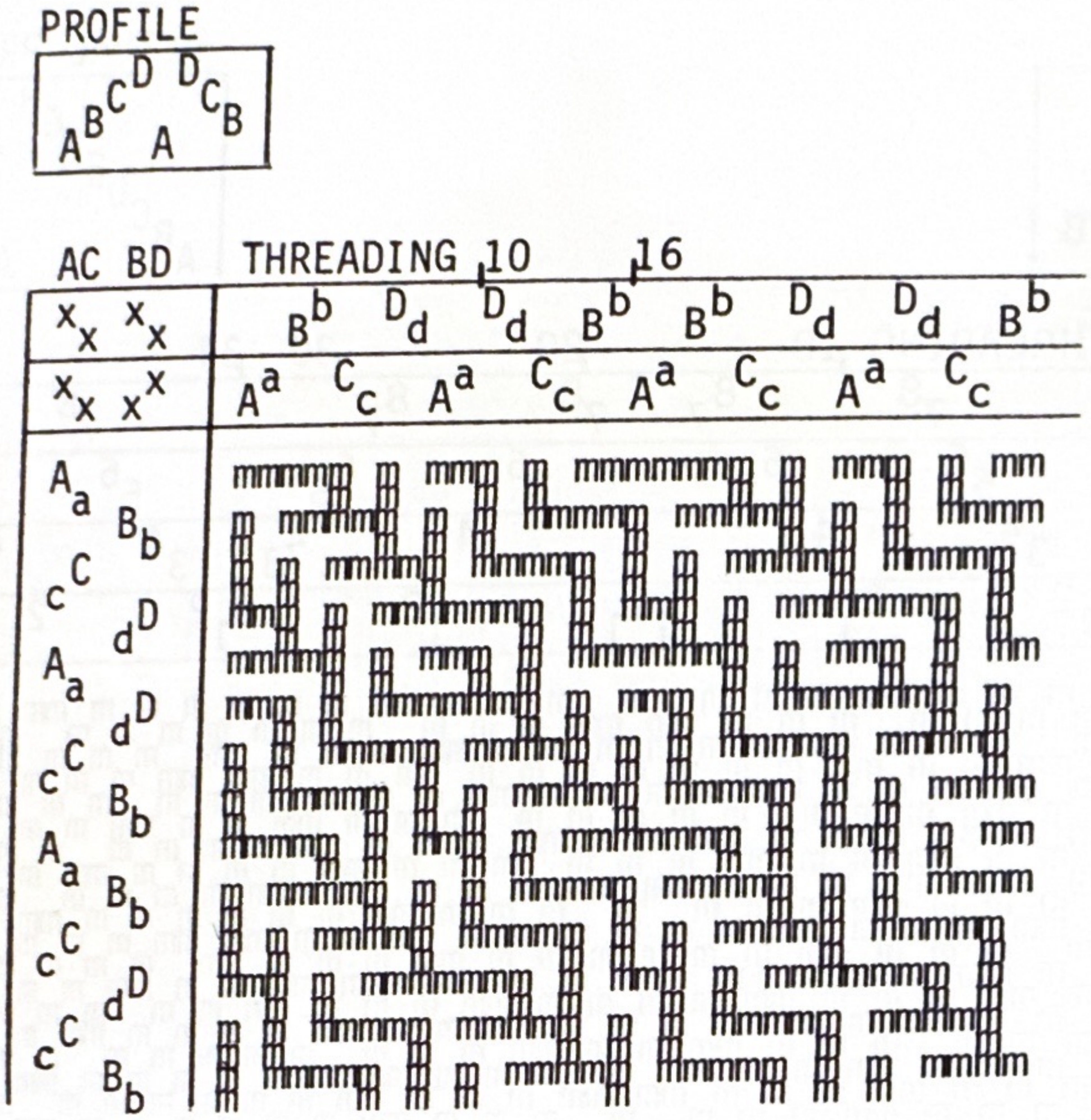
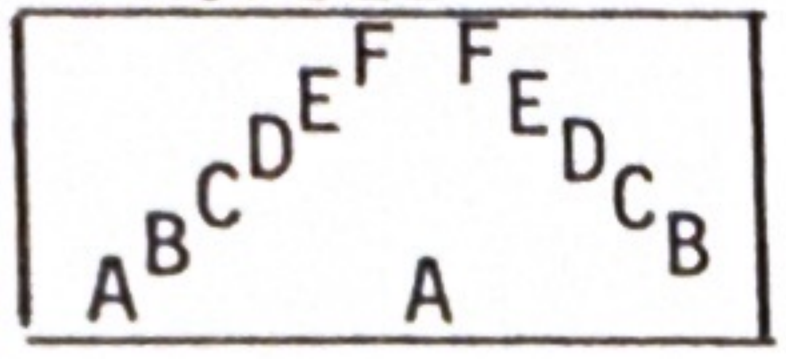

PROFILE
A B C D D C B A
AC BD
THREADING 10 16
B b D d D d B b B b D d D d B b
A a C c A a C c A a C c A a C c
A a B b c C d D A a d D c C B b A a B b c C d D c C B b

Figure 9

SHADOW WEAVE-Six shaft DARK-LIGHT draw down. Secondary threading.

Rosepath development in unit form. Number ends per pattern 24. Repeat 1 1/2 patterns. Treadling is "tromp as writ".

PROFILE


A B C D E F F E D C B
A

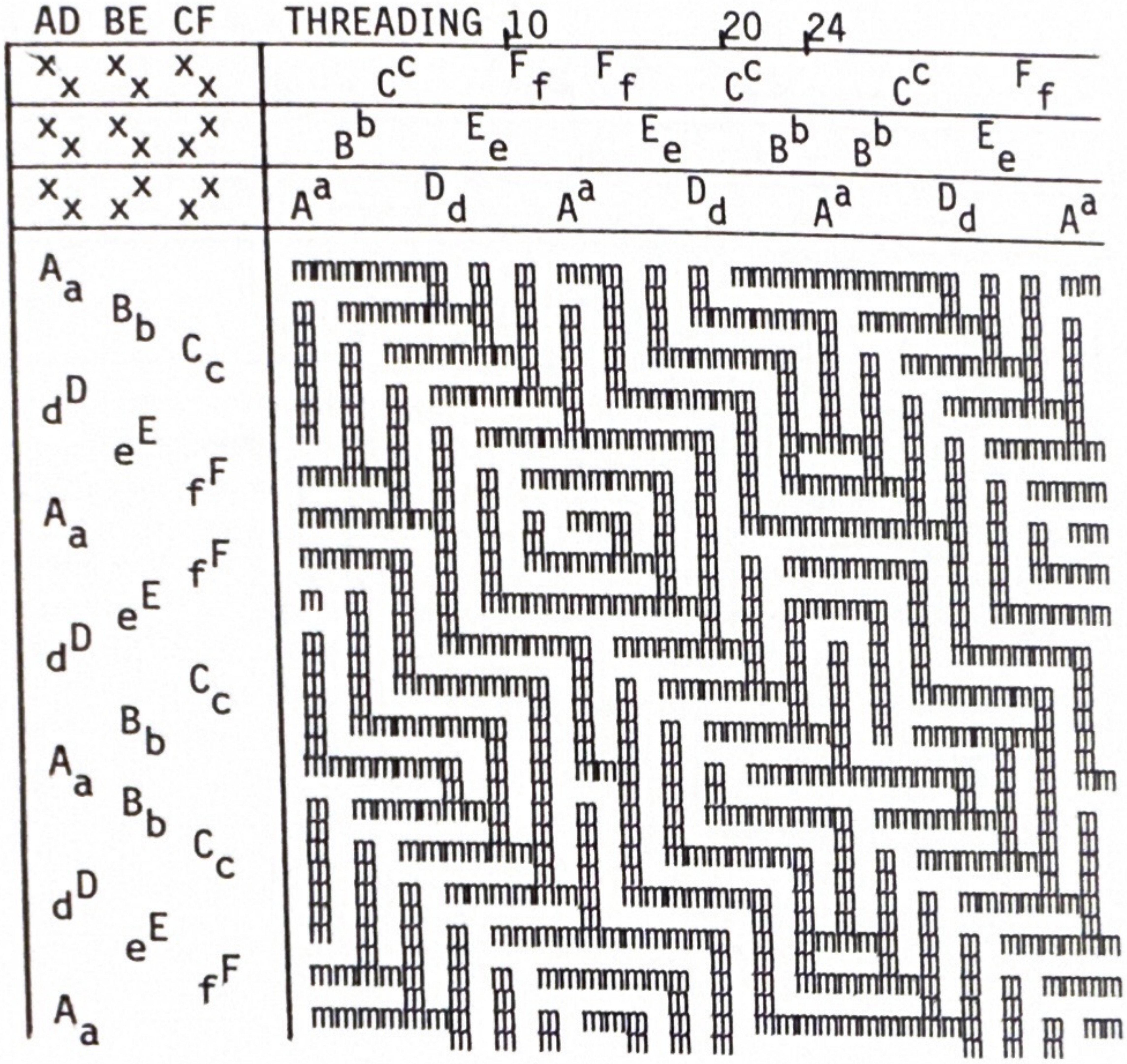
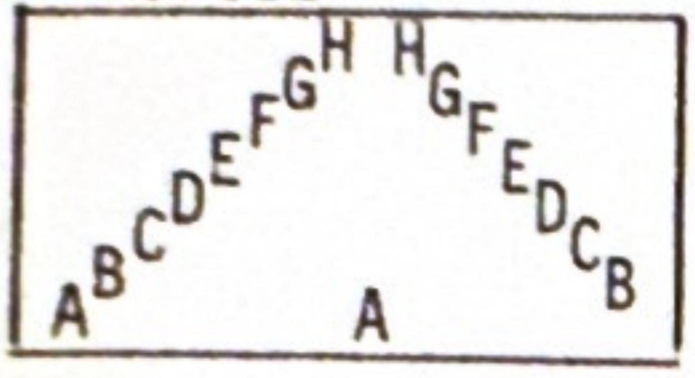

AD BE CF
THREADING
10
20
24
Aa Dd Aa Dd Aa Dd Aa
Bb Ee Ee Bb Bb Ee
Cc Ff Ff Cc Cc Ff
Aa Bb Cc dD eE fF Aa fF eE dD Cc Bb Aa Bb Cc dD eE fF Aa

Figure 10

SHADOW WEAVE-Eight shaft DARK-LIGHT draw down. Secondary threading.

Rosepath development in unit form. Number ends per pattern 32. Repeat 1 1/2 patterns. Treadling is "tromp as writ".

PROFILE


A B C D E F G H H G F E D C B
A

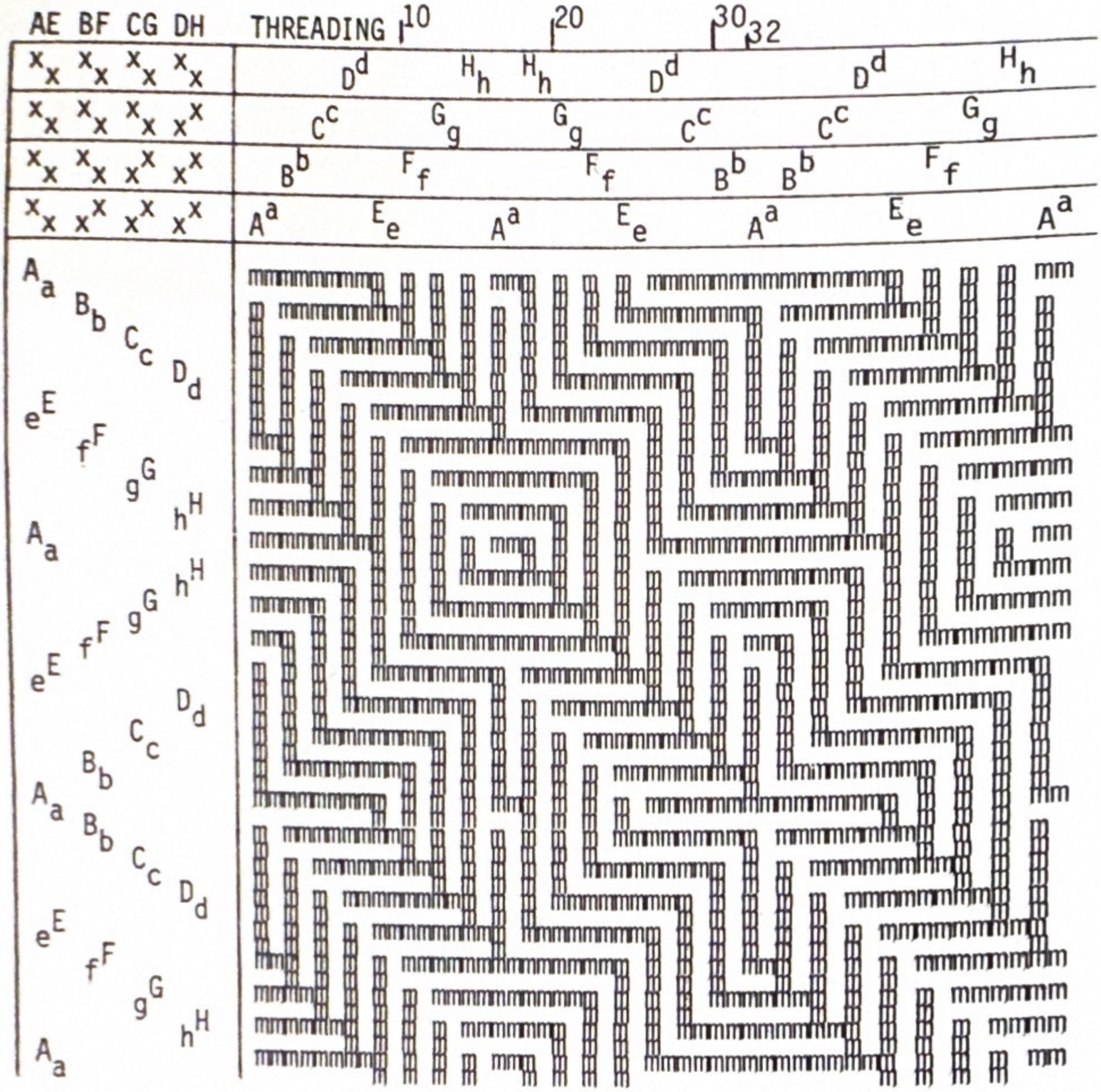
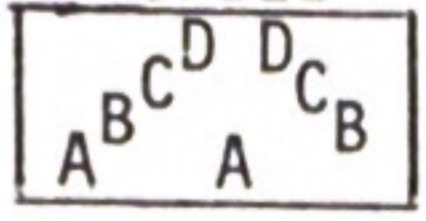

AE BF CG DH
THREADING
10
20
30
32
Dd Hh Hh Dd Dd Hh
Cc Gg Gg Cc Cc Gg
Bb Ff Ff Bb Bb Ff
Aa Ee Aa Ee Aa Ee Aa
Aa Bb Cc Dd eE fF gG hH Aa hH gG fF eE Dd Cc Bb Aa Bb Cc Dd eE fF gG hH Aa

Figure 11

SHADOW WEAVE- four shaft STRUCTURE draw down, Secondary threading.

Rosepath development in unit form. Number ends per repeat 16. Repeats 2 patterns. Treadling "tromp as writ". Dark and light disregarded in threading and treadling.

PROFILE



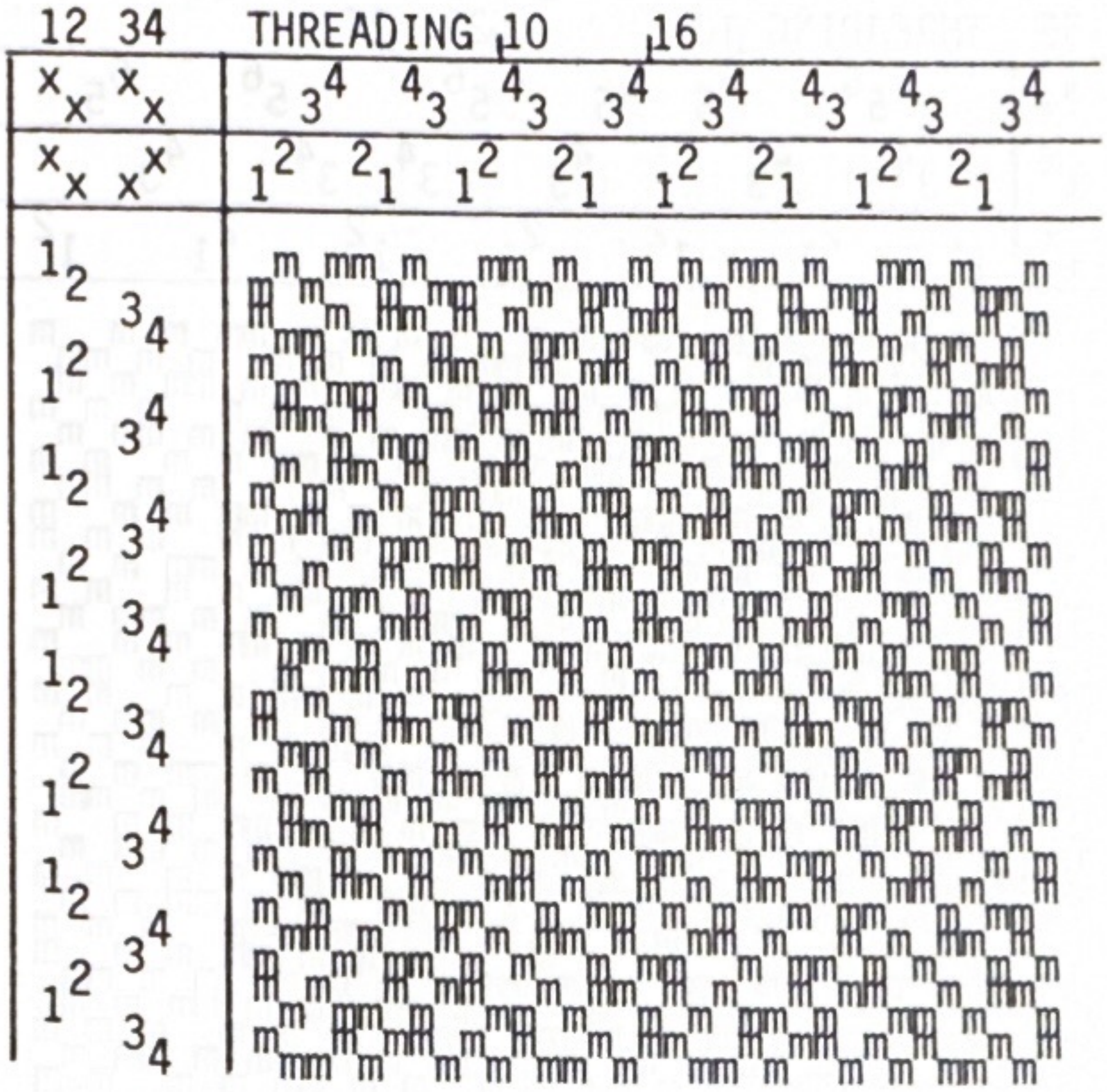

12 34
THREADING 10
16

Figure 12

SHADOW WEAVE- six shaft STRUCTURE draw down. Secondary threading.

Rosepath development in unit form. Number ends per repeat 24. Repeat 1 1/2 patterns. Treadling "tromp as writ". Dark and light are ignored in threading and treadling. Numbers used as symbols.

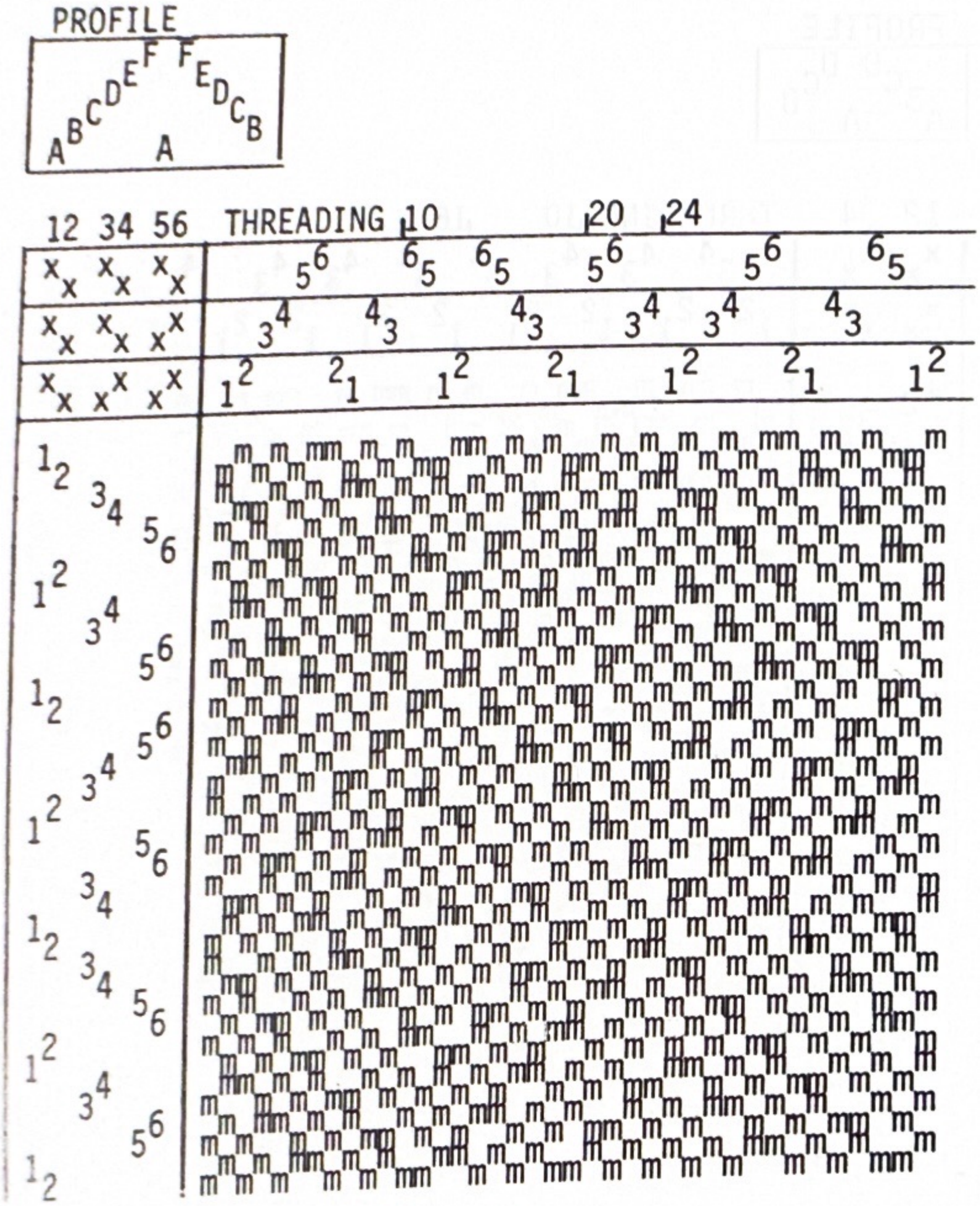
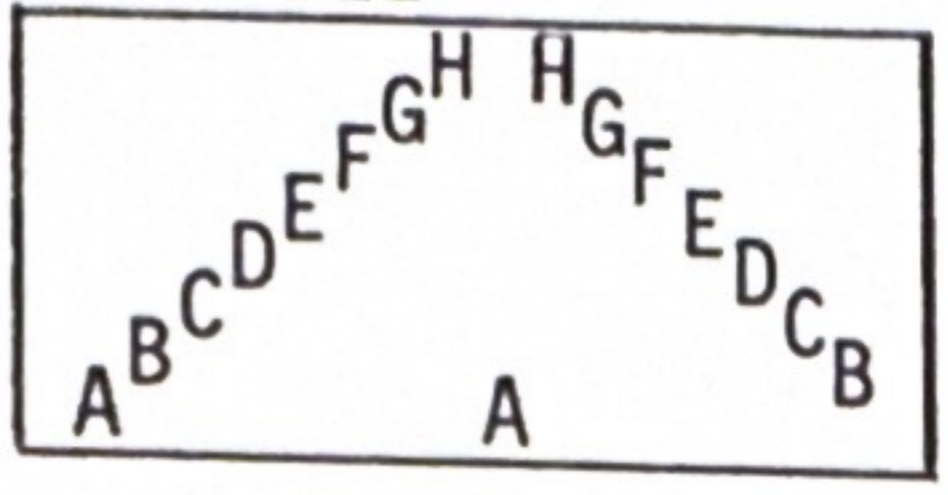

PROFILE
A B C D E F F E D C B
A
12 34 56
THREADING
10
20
24

Figure 13

SHADOW WEAVE- eight shaft STRUCTURE draw down. Secondary threading.

Rosepeath development in unit form. Number ends per repeat 32. Repeats 1 1/2. Treadling "tromp as writ". All ends in threading and treadling the same. Numbers used as symbols.

PROFILE


A B C D E F G H H G F E D C B
A

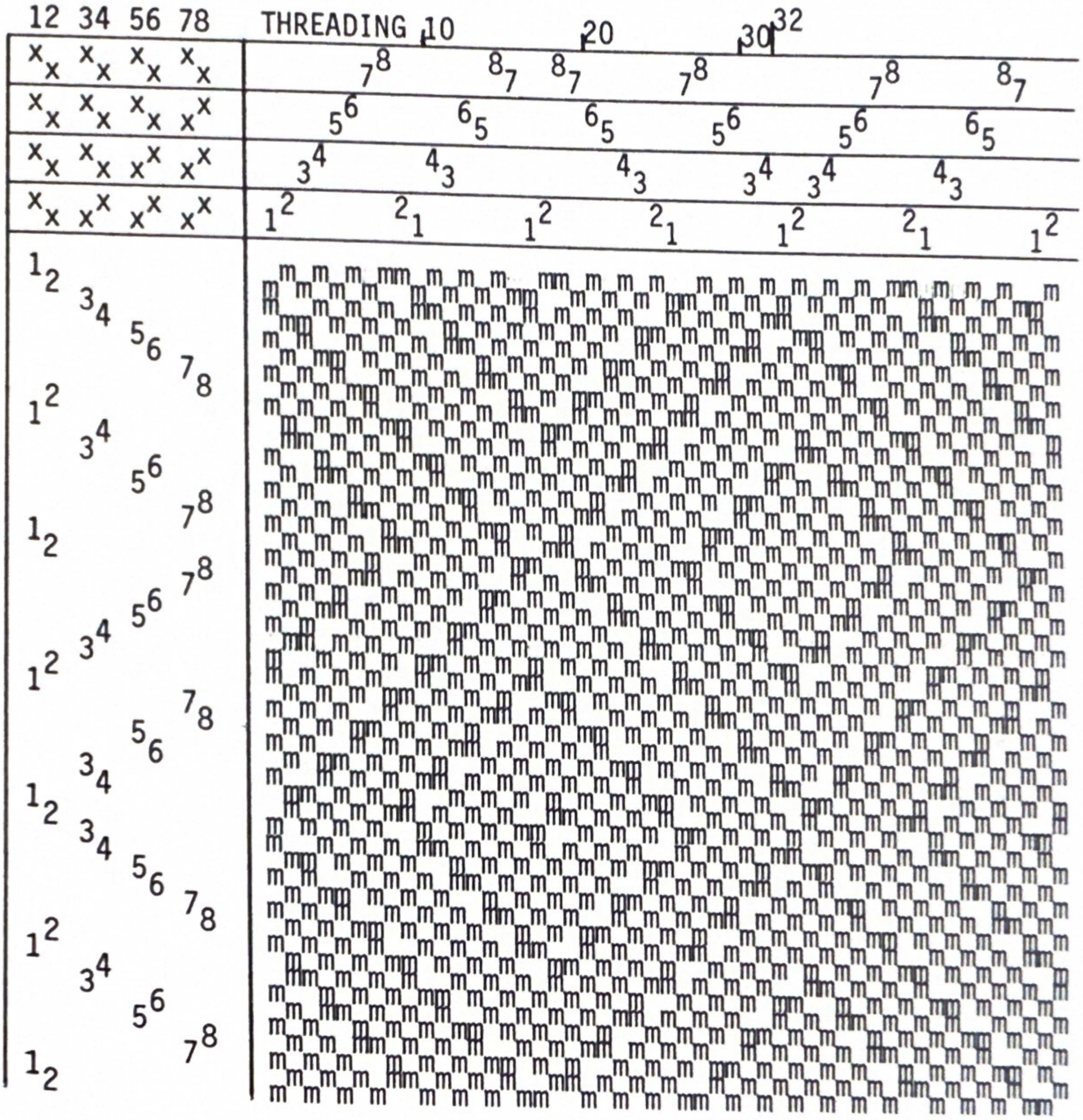

12 34 56 78
THREADING
10
20
30
32

Figure 14

SHADOW WEAVE- Four shaft DARK-LIGHT draw down. Preferred threading.

Rosepath development in block form. Number ends per repeat 30. Repeats 1 1/2. Treadling "tromp as writ". The single *A is used in body of draft so that turning points will have an equal number of ends. If piece is to have border add extra *A unit at beginning and end of draft.

PROFILE

```
          DD  DD
       CC        CC
    BB              BB
 *A        AA
```

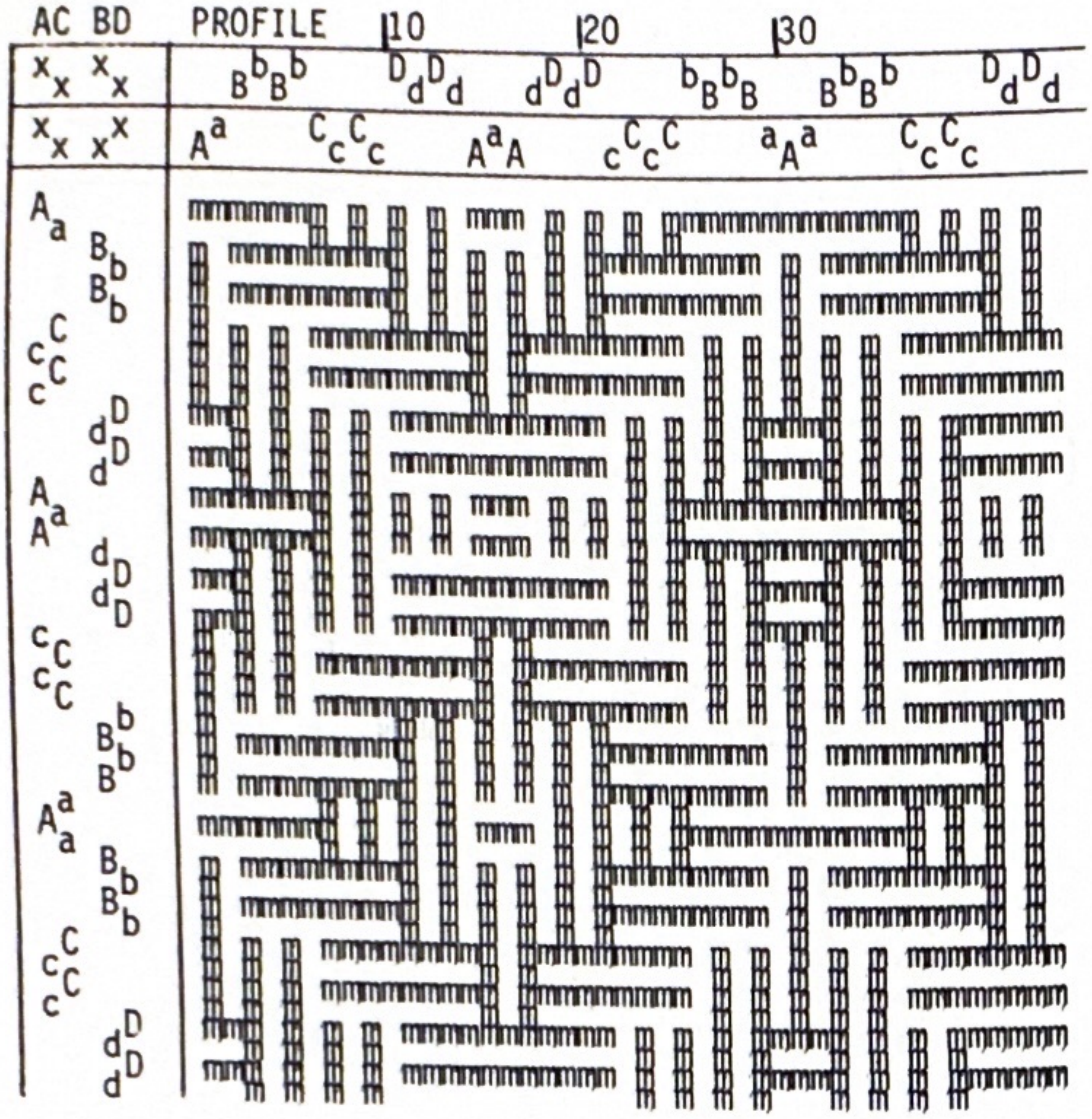


Figure 15

SHADOW WEAVE-Six shaft DARK-LIGHT draw down. Preferred threading.

Rosepath development in block form. Number ends per repeat 46. Repeats one. Treadling "tromp as writ". The single *A is used in body of draft so that turning points will have an equal number of ends. If the piece is to have border add extra *A unit at beginning and end of draft.

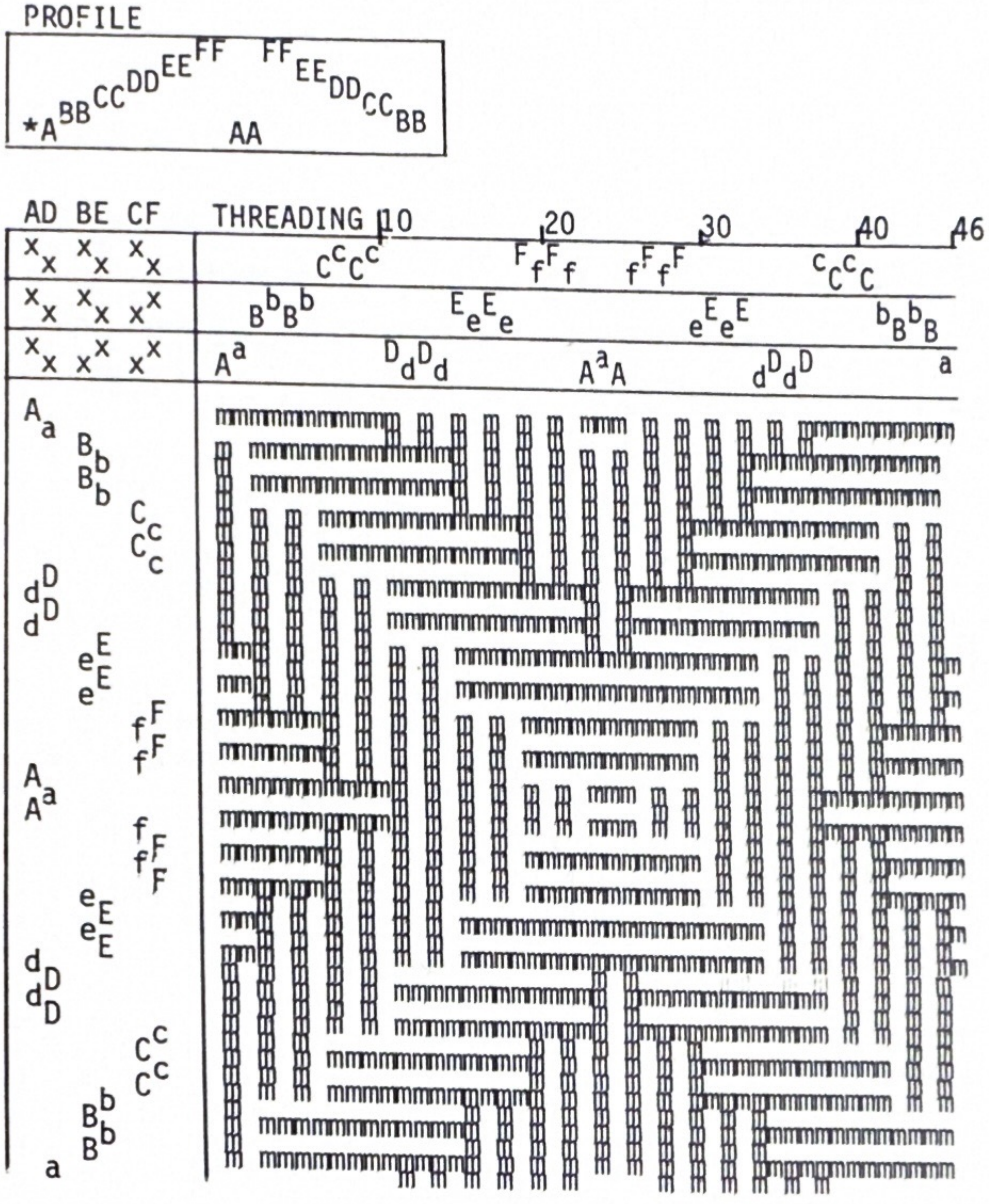
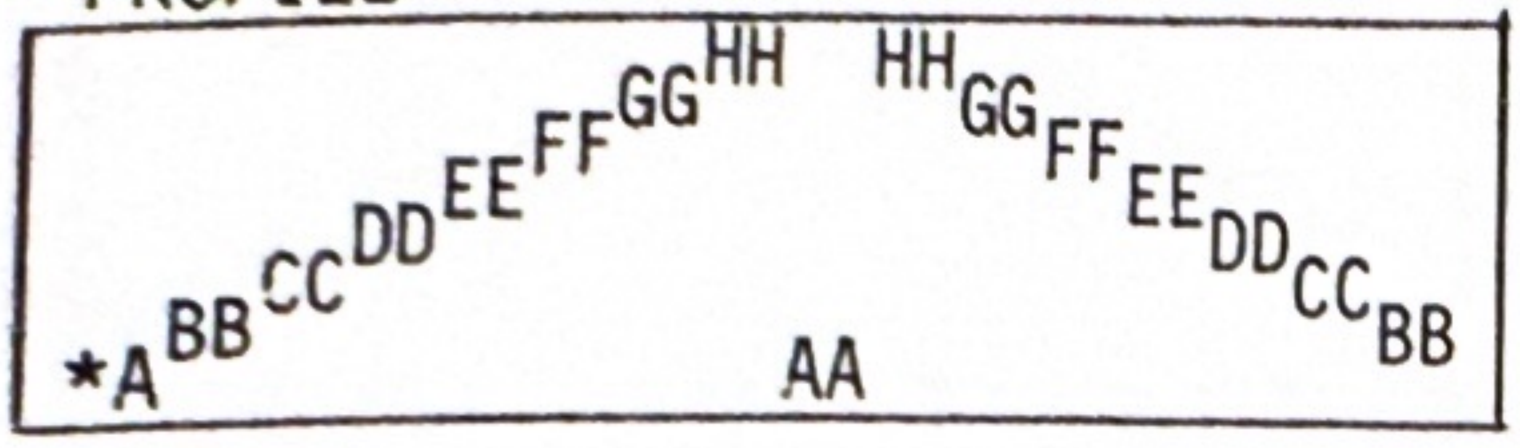

PROFILE
*A BB CC DD EE FF FF EE DD CC BB
AA
AD BE CF
THREADING 10 20 30 40 46
C c C c
F f F f f F f F
C c C c
B b B b
E e E e
e E e E
b B b B
A a
D d D d
A a A
d D d D
a
A a
B b
B b
C c
C c
d D
d D
e E
e E
f F
f F
A a
A a
f F
f F
e E
e E
d D
d D
C c
C c
B b
B b
a

Figure 16

SHADOW WEAVE- Eight shaft DARK-LIGHT draw down. Preferred threading.

Rosepath development in block form. Number ends per repeat 62. One repeat. Treadling "tromp as writ". The single *A is used in body of draft so that turning points will have an equal number of ends. If the piece is to have a border add extra *A unit at beginning and end of draft.

PROFILE


*A BB CC DD EE FF GG HH HH GG FF EE DD CC BB
AA

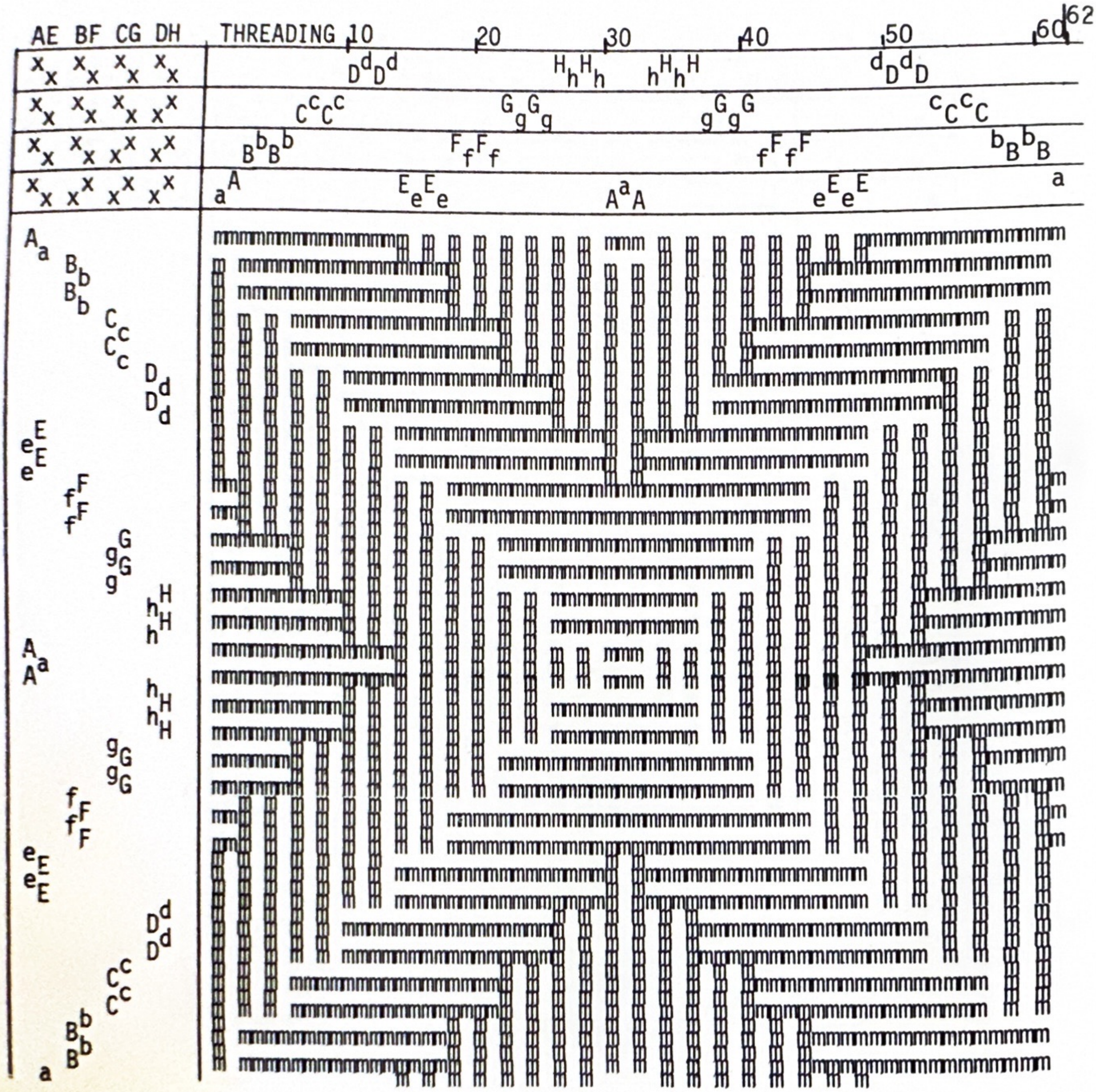

AE BF CG DH
THREADING
10
20
30
40
50
60
62

Figure 17

SHADOW WEAVE- four shaft STRUCTURE draw down. Preferred threading.

Rosepath development in block form. Number ends per repeat 30. Repeats 1 1/2. Treadling "tromp as writ". Dark and light ignored in threading and treadling. Numbers used as symbols.

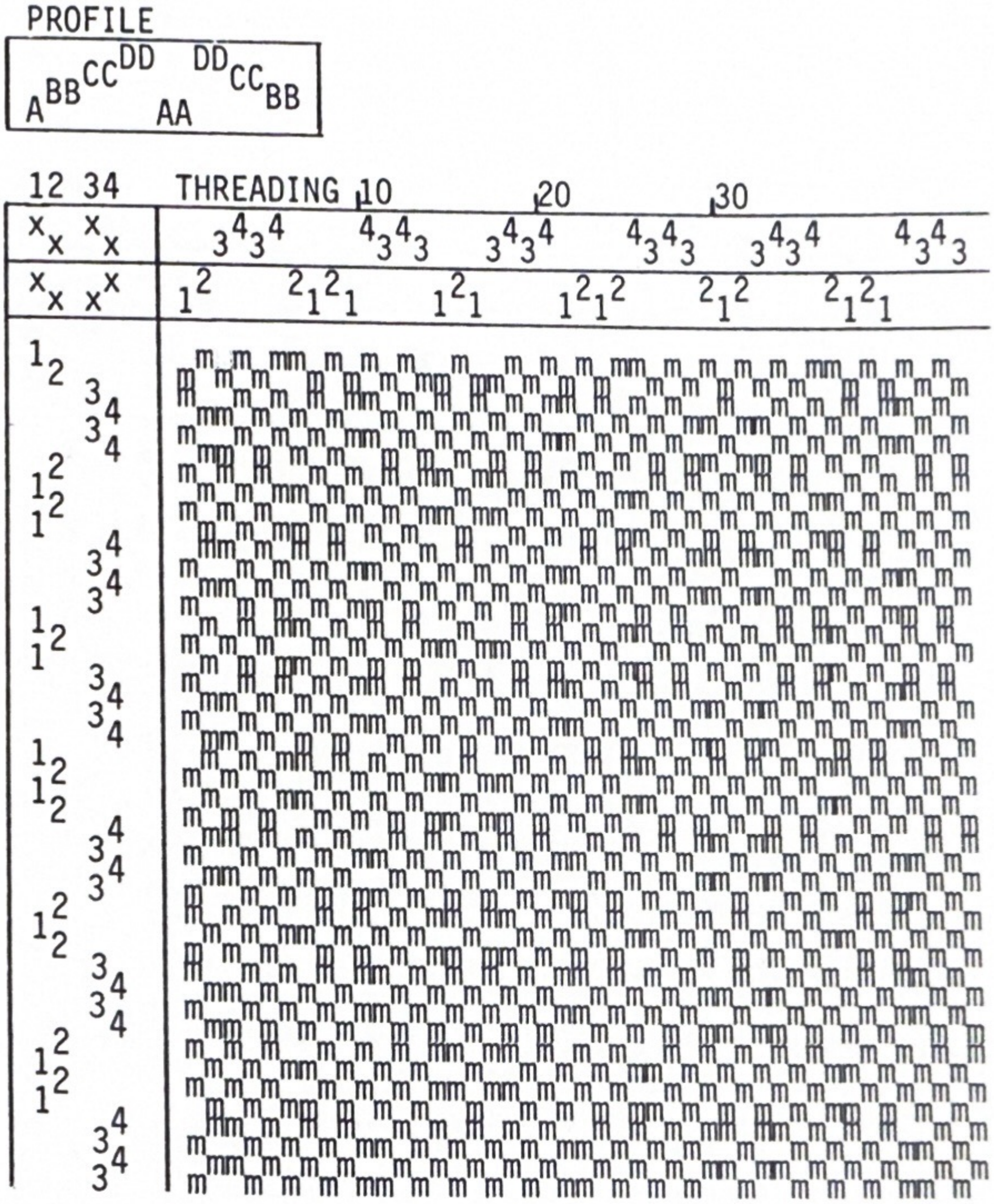

PROFILE
ABBCCDD AA DDCCBB
12 34
THREADING
10
20
30

Figure 18

SHADOW WEAVE- six shaft STRUCTURE draw down. Preferred threading.

Rosepath development in block form. Number ends per repeat 46. One repeat. Treadling "tromp as writ". Dark and light ignored in threading and treadling. Numbers used as symbols.

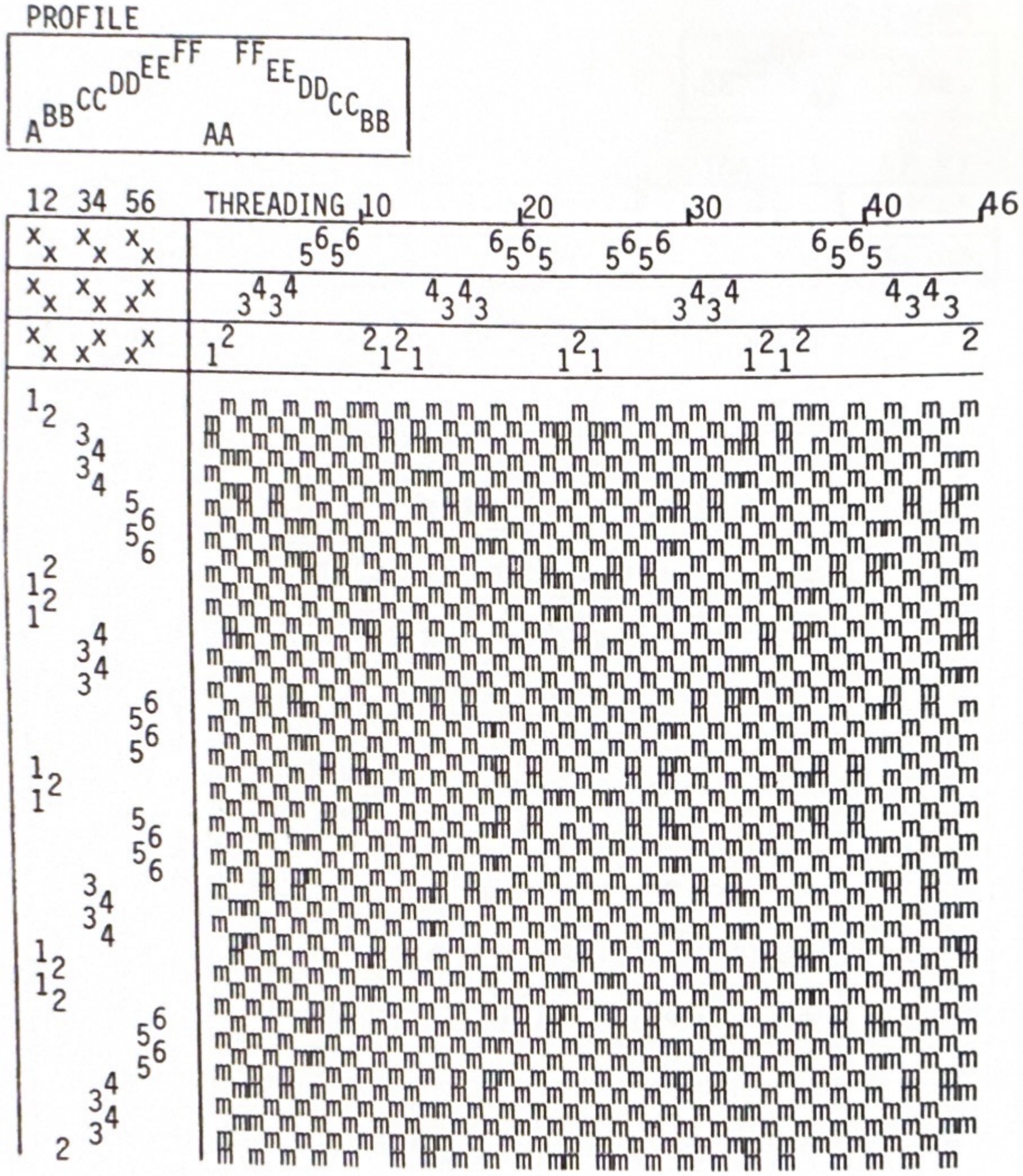

PROFILE
A BB CC DD EE FF FF EE DD CC BB AA
12 34 56
THREADING 10 20 30 40 46

Figure 19

SHADOW WEAVE- eight shaft STRUCTURE draw down. Preferred threading.

Rosepath development in block form. Number ends per repeat 62. One repeat. Treadling "tromp as writ". All ends in threading and treadling the same.

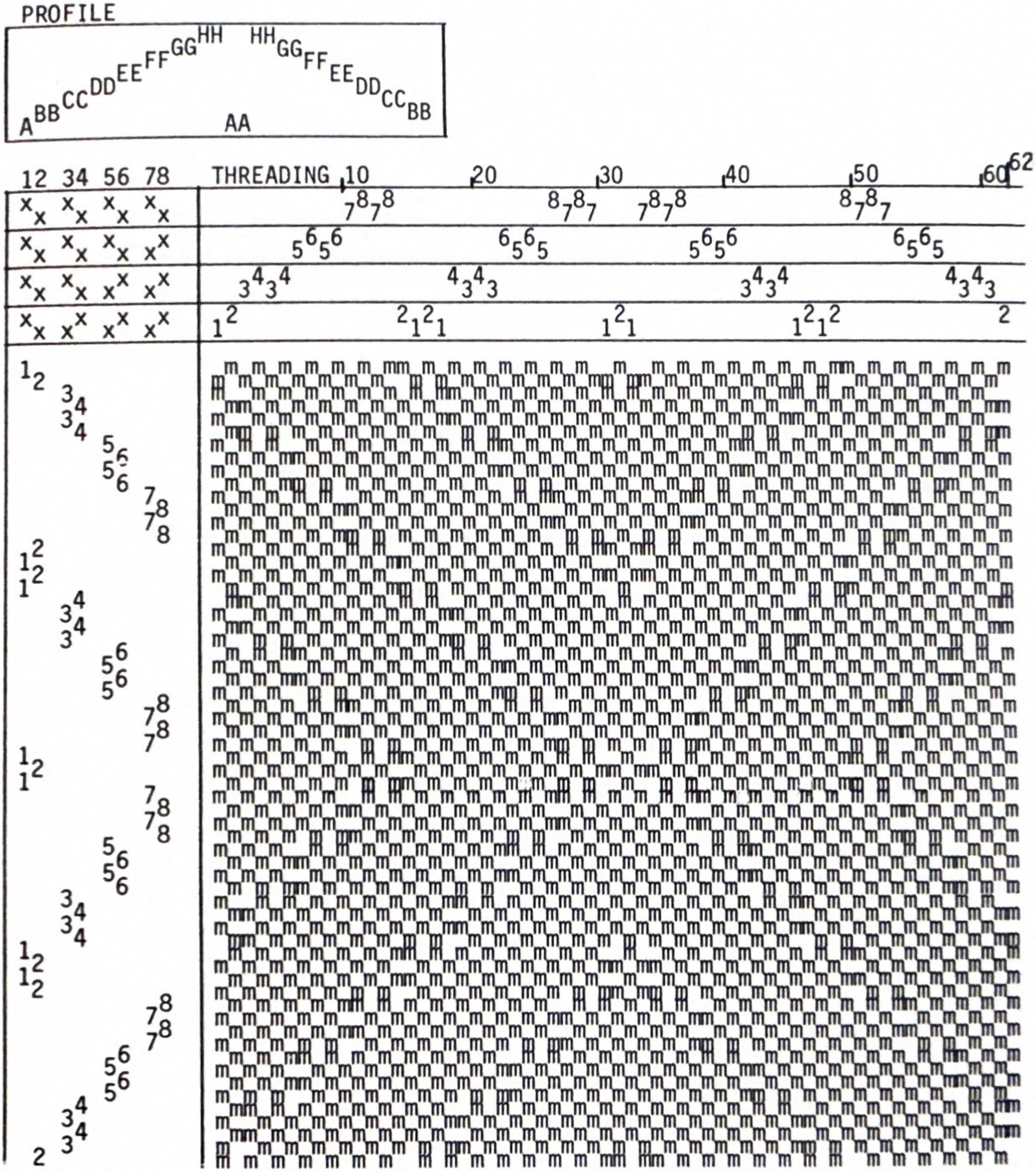

PROFILE
A BB CC DD EE FF GG HH AA HH GG FF EE DD CC BB
THREADING
10
20
30
40
50
60
62
12 34 56 78

Figure 20

SHADOW WEAVE- Four shaft DARK-LIGHT draw down. Secondary threading.

Rosepath development in block form. Number ends per repeat 32. Repeats 1 1/2. Treadling "tromp as writ".

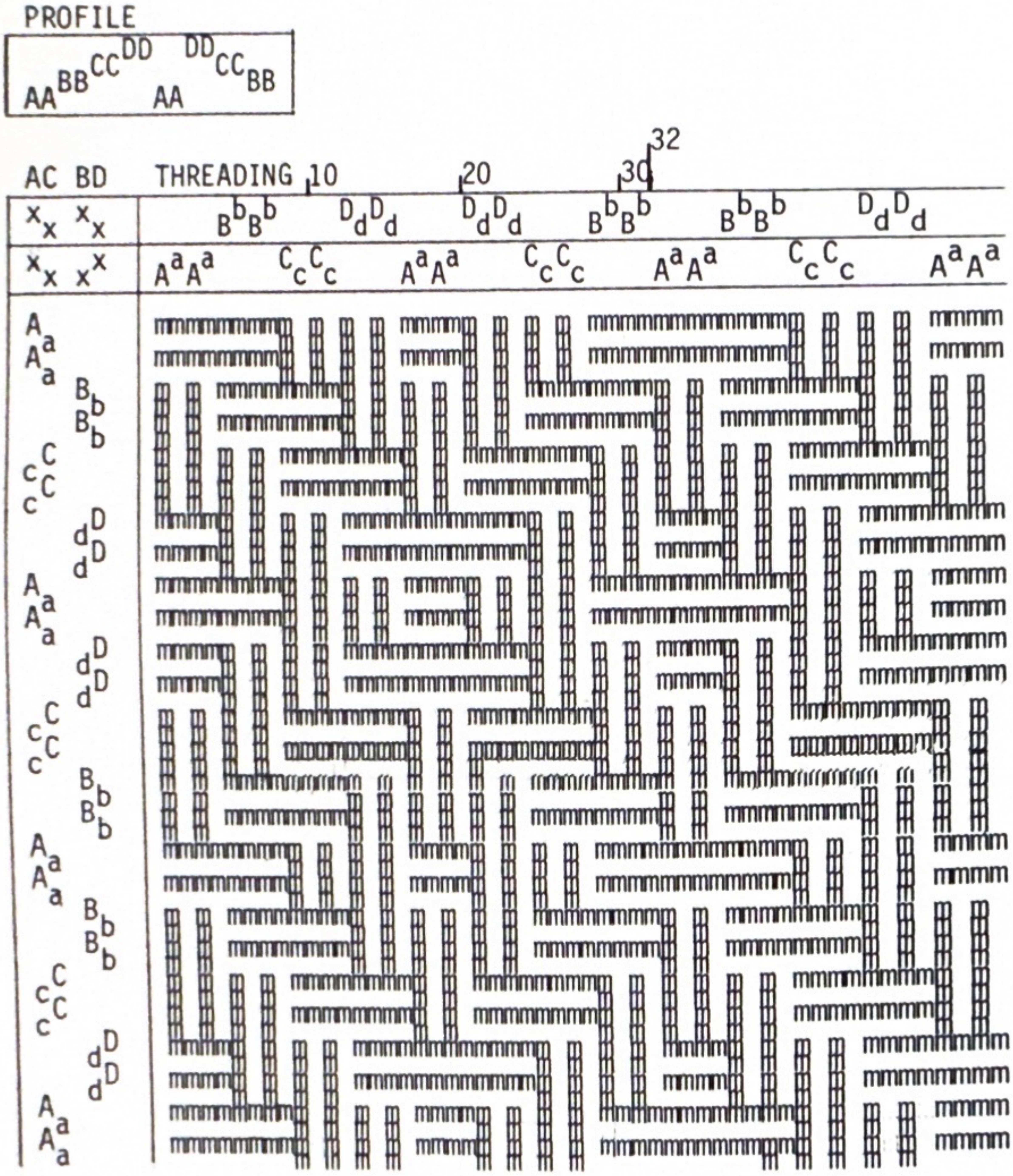

PROFILE
AA BB CC DD DD CC BB AA
AC BD
THREADING
10
20
30
32

Figure 21

SHADOW WEAVE- Four shaft DARK-LIGHT draw down. Secondary threading.

Rosepath development in block form. Number ends per repeat 48. One repeat. Treadling "tromp as writ".

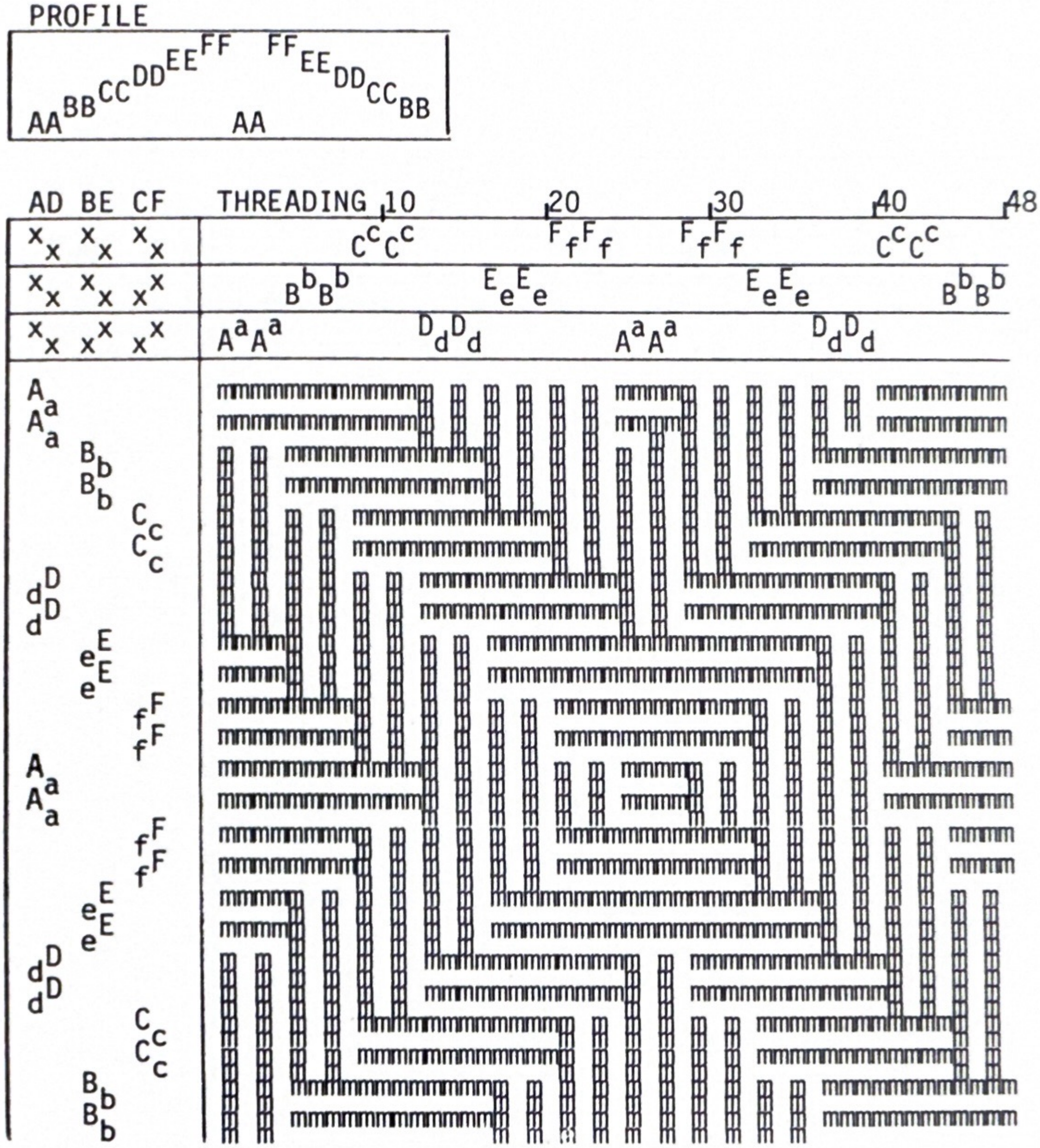
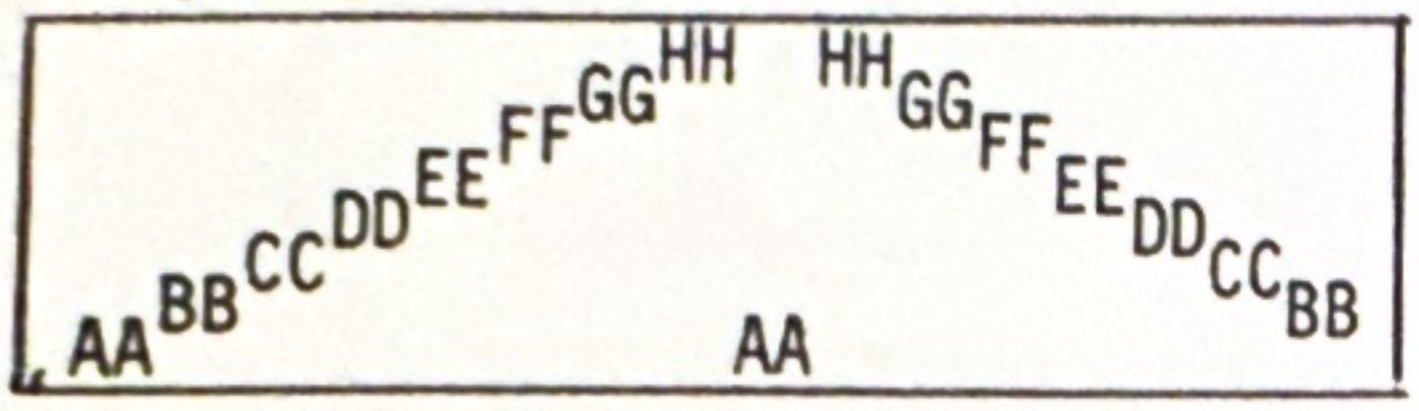

PROFILE
AD BE CF
THREADING
10
20
30
40
48

Figure 22

SHADOW WEAVE- Eight shaft DARK-LIGHT draw down. Secondary threading.

Rosepath development in block form. Number ends per pattern 64. Repeat one pattern. Treadling "tromp as writ".

PROFILE


AA BB CC DD EE FF GG HH HH GG FF EE DD CC BB
AA

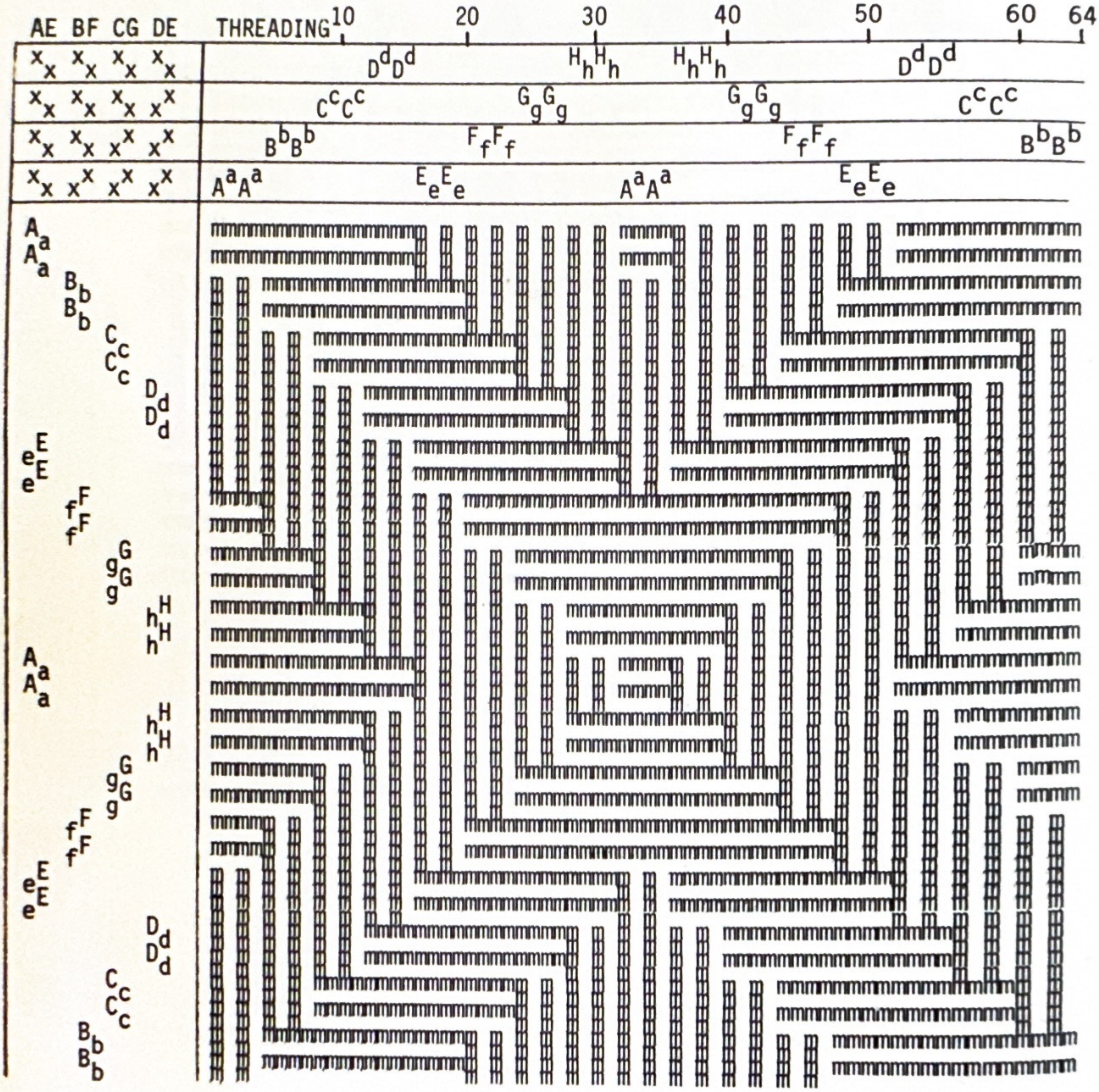

AE BF CG DE
THREADING
10
20
30
40
50
60
64

Figure 23

SHADOW WEAVE-four shaft STRUCTURE draw down. Secondary threading.

Rosepath development in block form. Number ends per repeat 32. Repeats 1 1/2 pattern. Treadling "tromp as writ". Dark and light disregarded in threading and treadling.

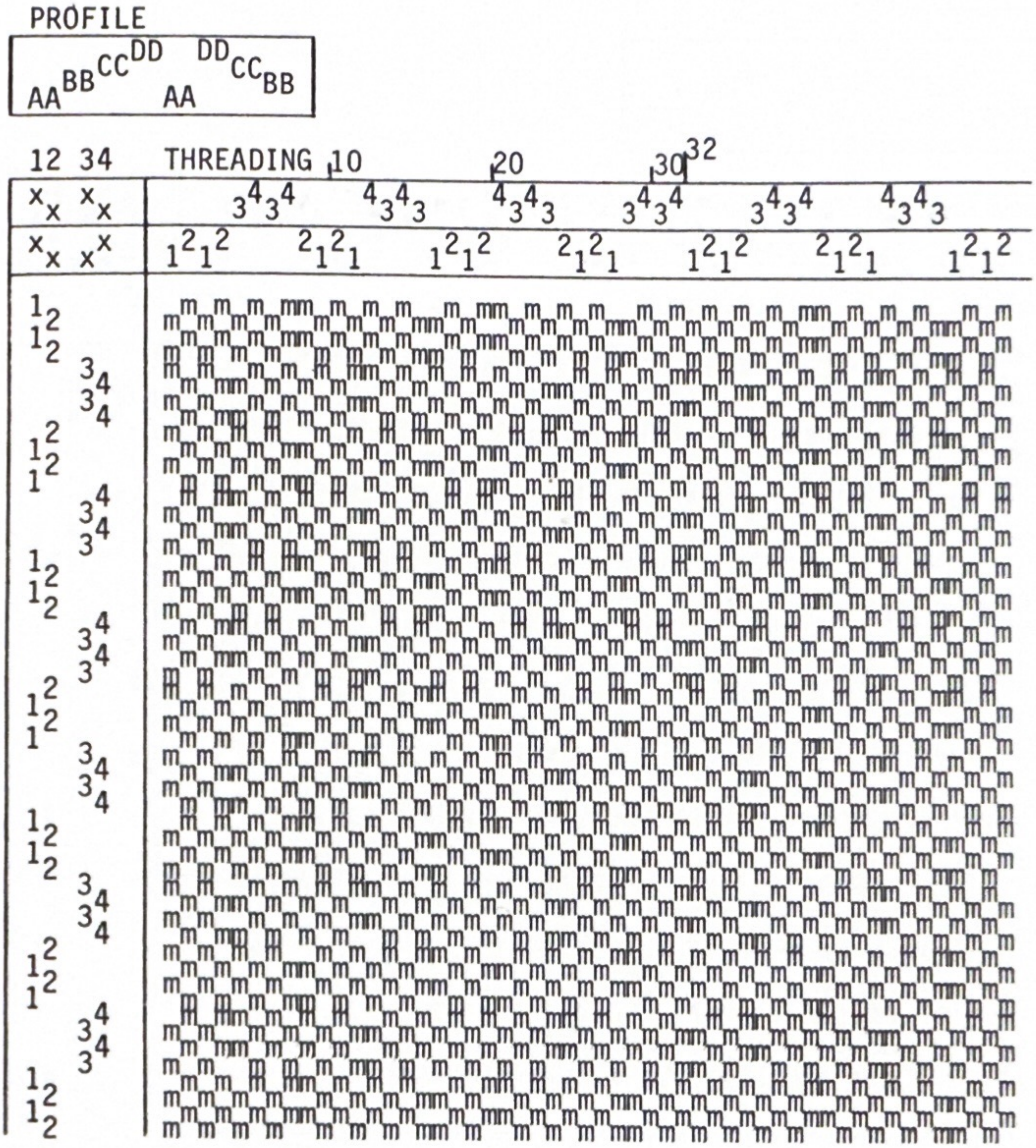

PROFILE
AA BB CC DD AA DD CC BB
12 34
THREADING
10
20
30
32

Figure 24

SHADOW WEAVE- six shaft STRUCTURE draw down. Secondary threading.

Rosepath development in block form. Number ends per repeat 48. Repeat one pattern. Treadling is "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols.

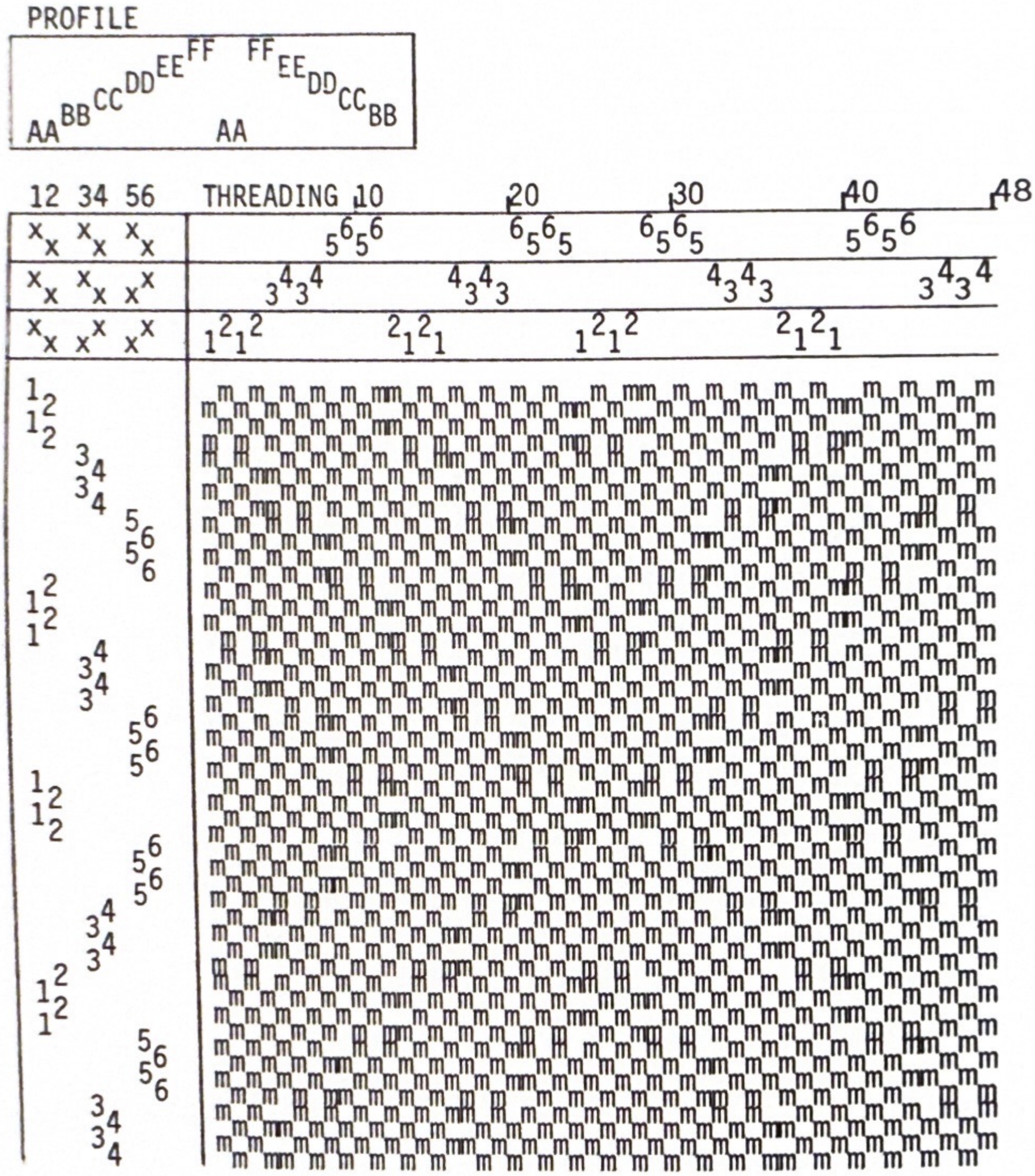

PROFILE
AA BB CC DD EE FF FF EE DD CC BB AA
12 34 56
THREADING 10
20
30
40
48

Figure 25

SHADOW WEAVE- eight shaft STRUCTURE draw down. Secondary threading.

Rosepath development in block form. Number ends per repeat 64. Repeat one pattern. Treadling "tromp as writ". Dark and light disregarded in threading and treadling.

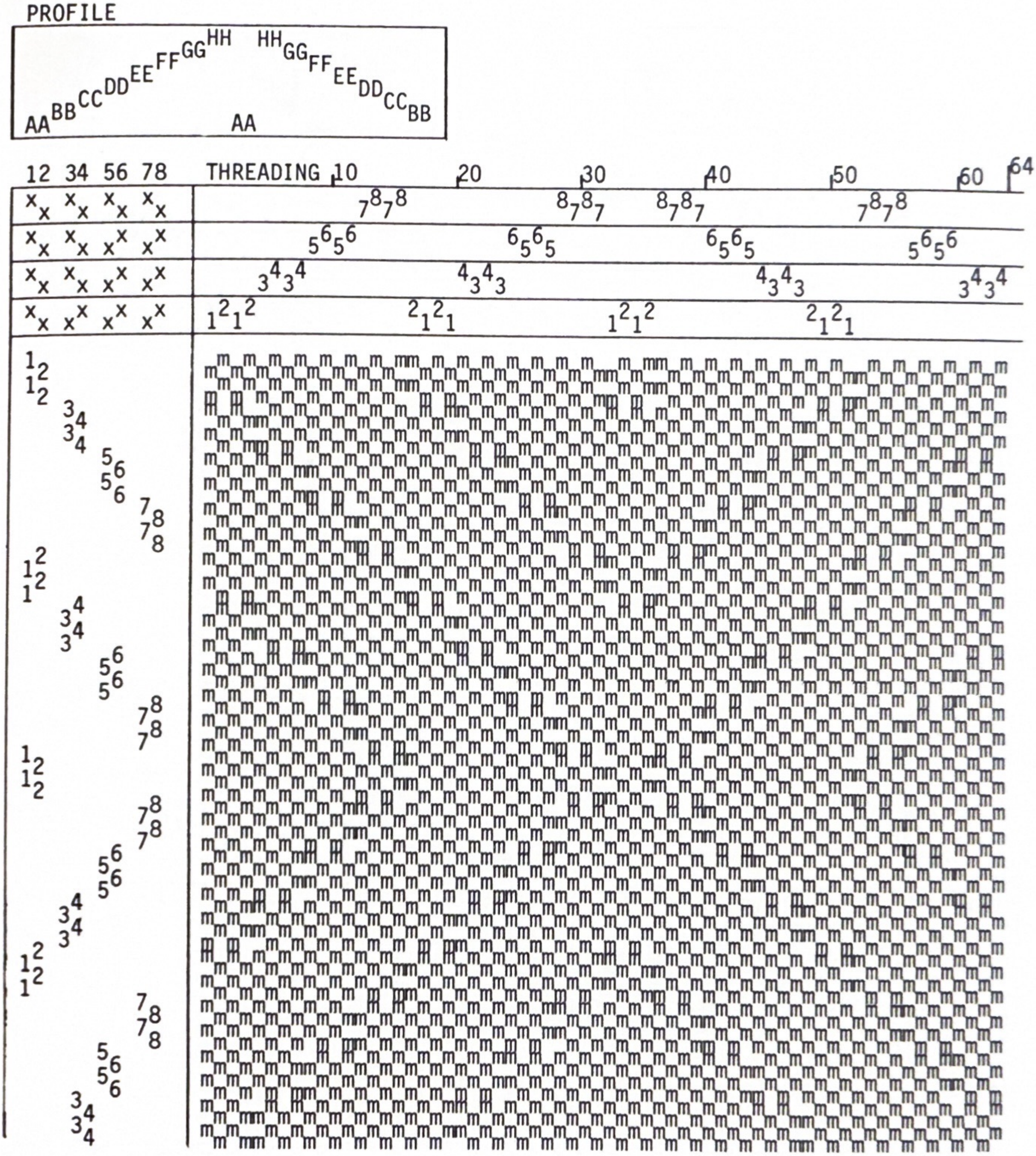

PROFILE
AA BB CC DD EE FF GG HH HH GG FF EE DD CC BB AA
12 34 56 78
THREADING
10
20
30
40
50
60
64

Figure 26

SHADOW WEAVE- Four shaft Dark-Light SWITCH draw-down. Preferred threading.

Rosepath development in unit form. Number ends per pattern 18. Repeat 1 1/2 patterns. Treadling "tromp as writ", with DARK and LIGHT ends switched,

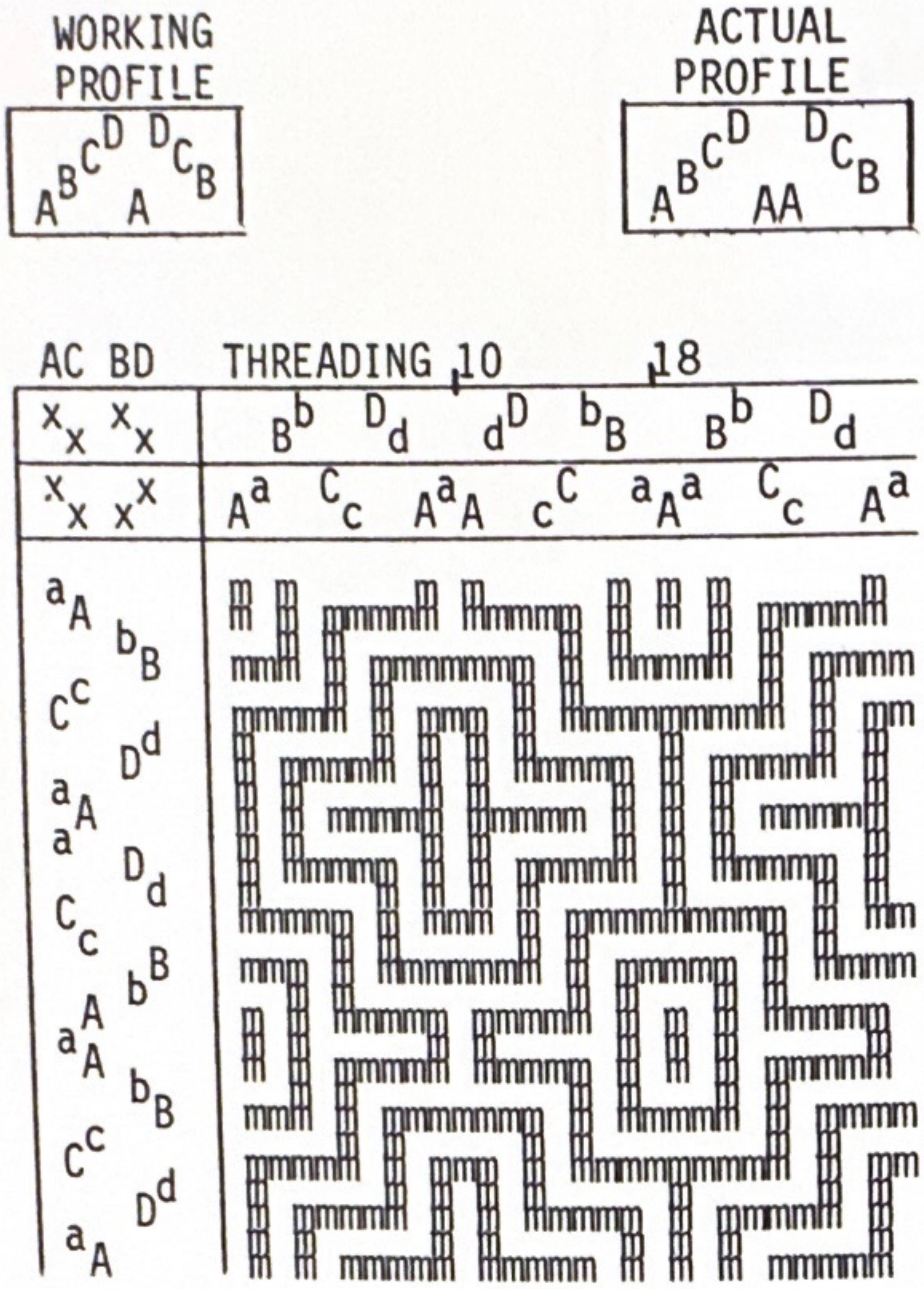

WORKING PROFILE
ACTUAL PROFILE
AC BD
THREADING
10
18

Figure 27

SHADOW WEAVE- Six shaft Dark-Light SWITCH draw-down. Preferred threading.

Rosepath development in unit form. Number ends per repeat 26. Repeat 1 1/2 patterns. Treadling "tromp-as-writ", with DARK and LIGHT ends SWITCHED.

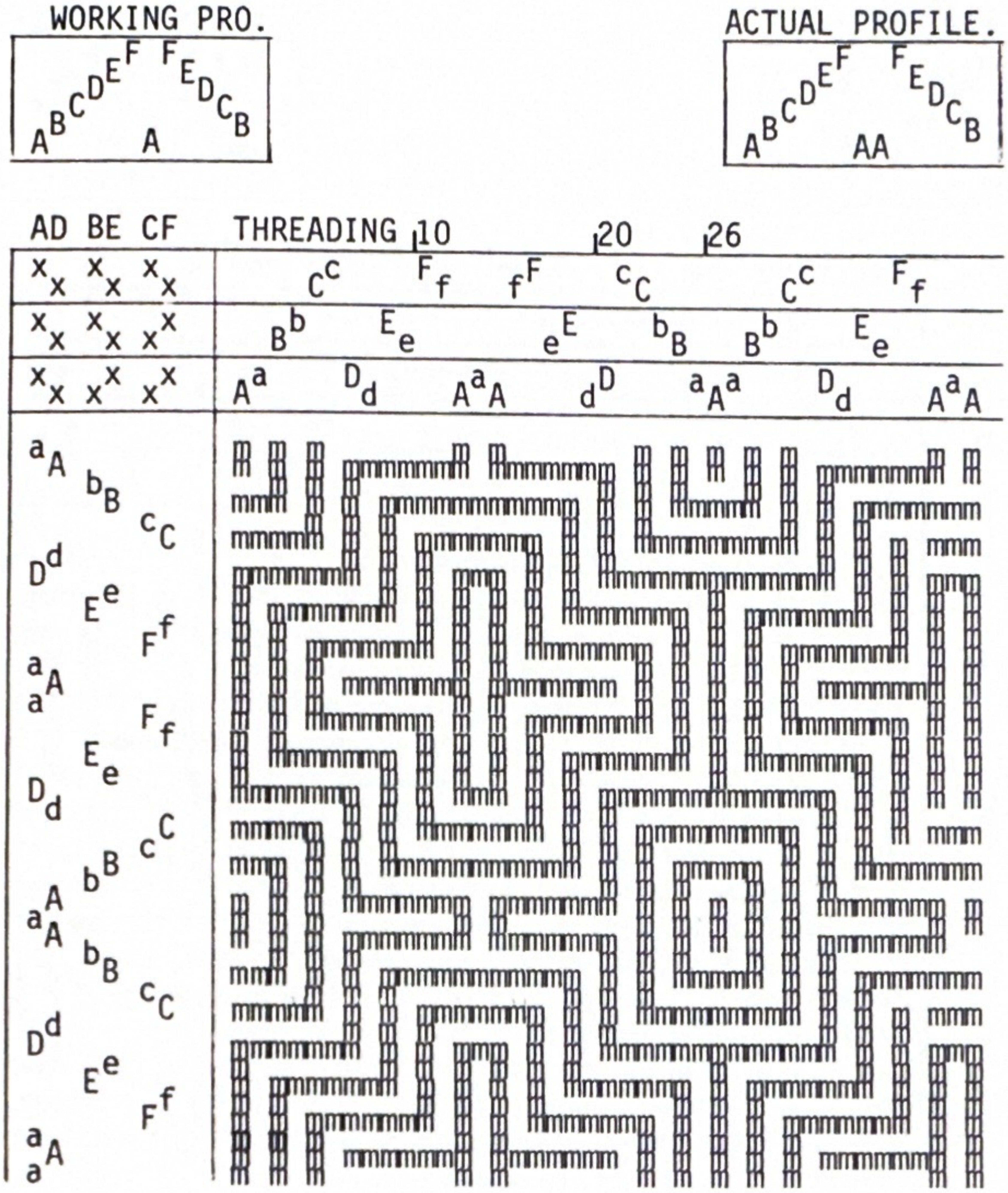

WORKING PRO.
ACTUAL PROFILE.
AD BE CF
THREADING
10
20
26

Figure 28

SHADOW WEAVE- Eight shaft Dark-Light SWITCH draw-down. Preferred threading.

Rosepath development in unit form. Number ends per repeat 34. Repeats 1 1/2 patterns. Treadling "tromp-as-writ", with DARK and LIGHT ends switched.

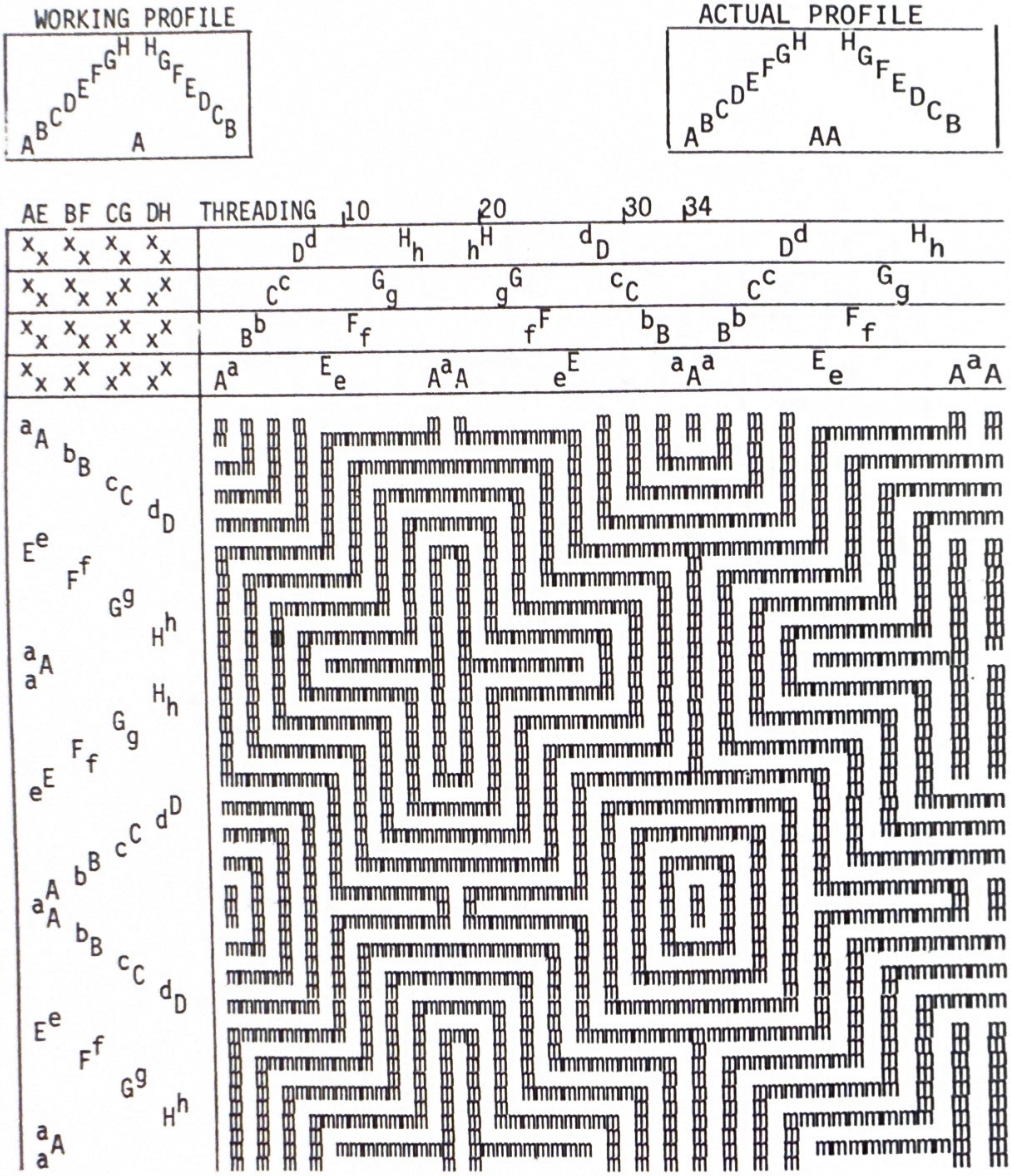

WORKING PROFILE
ACTUAL PROFILE
AE BF CG DH
THREADING
10
20
30
34

Figure 29

SHADOW WEAVE- Four shaft Dark-Light SWITCH draw-down. Secondary threading.

Rosepath development in unit form. Number ends per pattern 16. Repeat 1 1/2 patterns. Treadling "tromp as writ" with DARK and LIGHT ends switched.

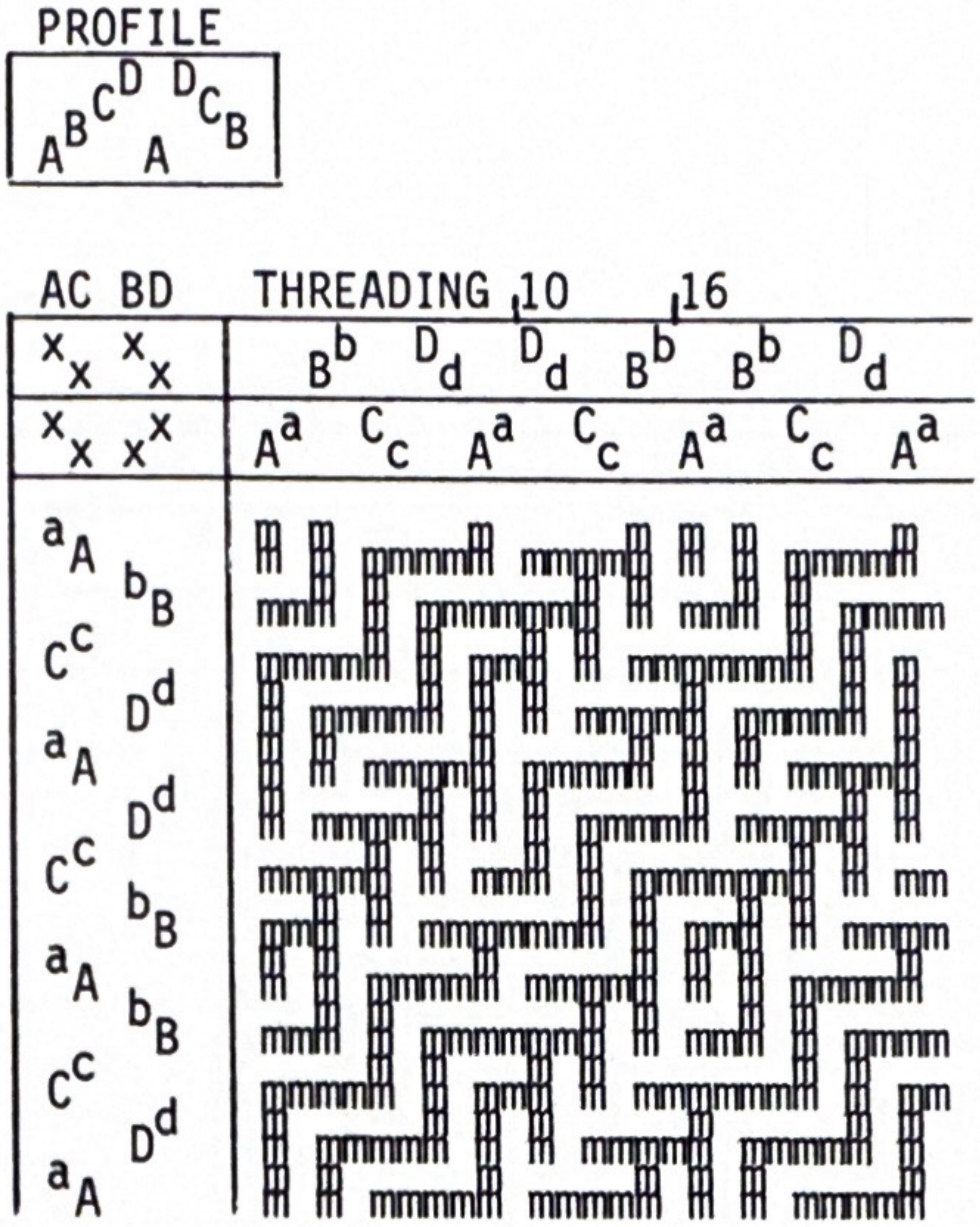

PROFILE
ABCDDCB A
AC BD
THREADING
10
16
Bb Dd Dd Bb Bb Dd
Aa Cc Aa Cc Aa Cc Aa
aA bB cC Dd aA Dd cC bB aA bB cC Dd aA

Figure 30

SHADOW WEAVE- Six shaft Dark-Light draw-down. Secondary threading.

Rosepath development in unit form. Number ends per pattern 24. Repeats 1 1/2 patterns. Treadling "tromp-as-writ", with DARK and LIGHT ends switched.

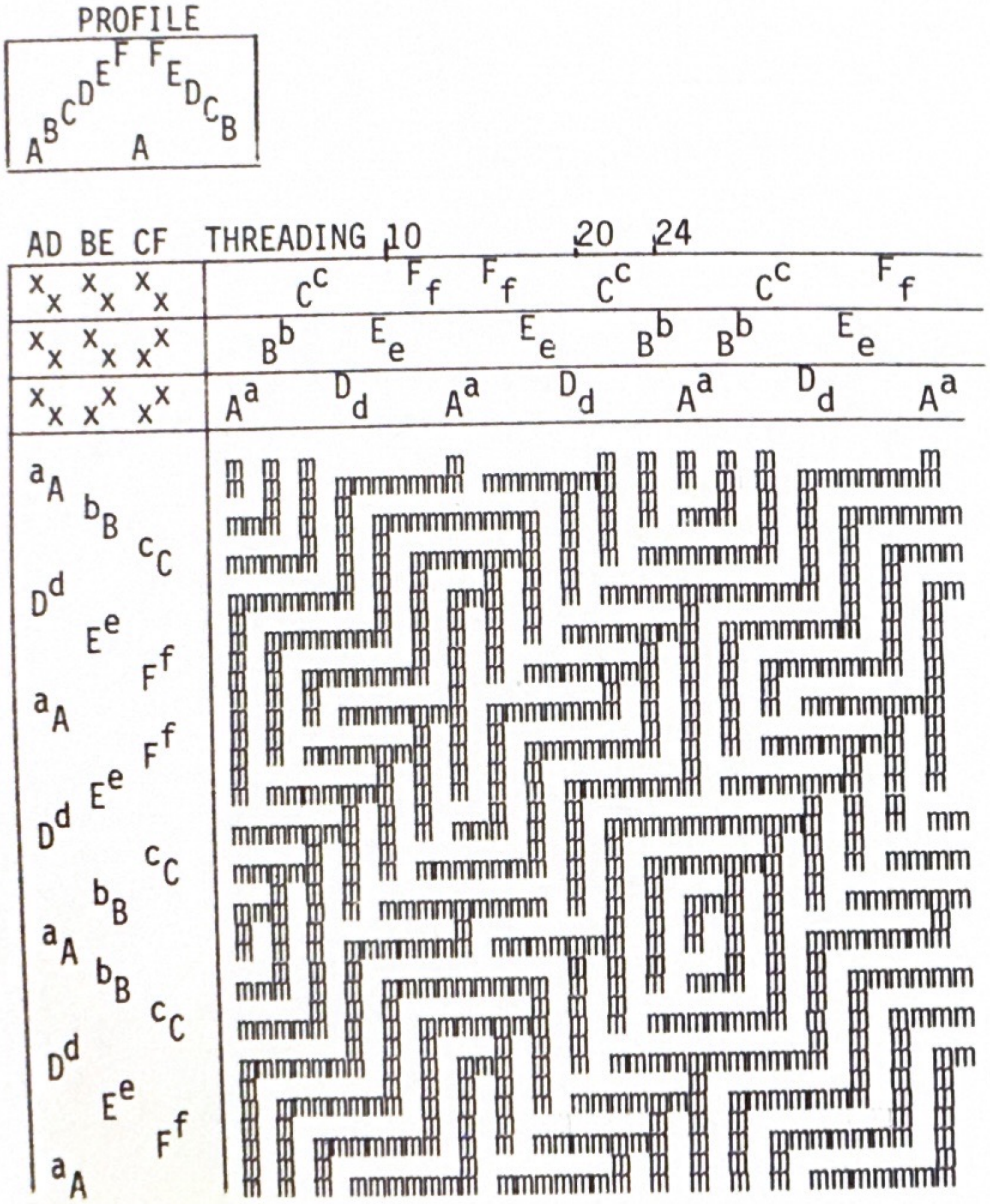
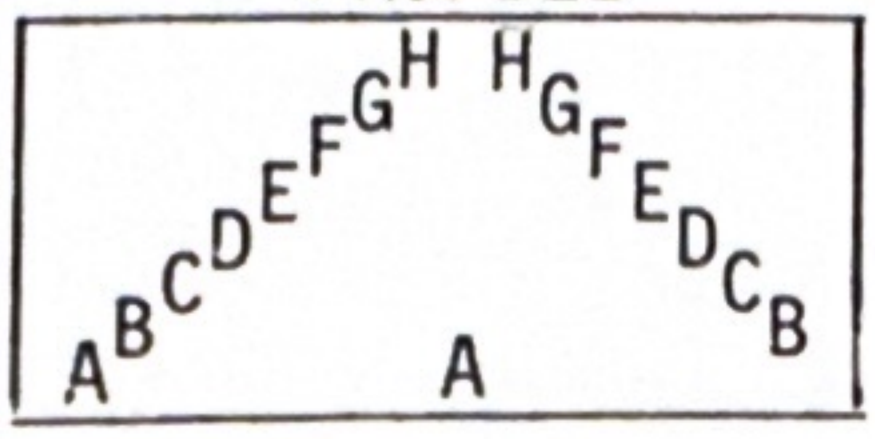

PROFILE
A B C D E F F E D C B
A
AD BE CF
THREADING 10 20 24
C c F f F f C c C c F f
B b E e E e B b B b E e
A a D d A a D d A a D d A a
a A b B c C D d E e F f a A F f E e D d c C b B a A b B c C D d E e F f a A

Figure 31

SHADOW WEAVE- Eight shaft Dark-Light SWITCH draw down. Secondary threading.

Rosepath development in unit form. Number ends per pattern 32. Repeat 1 1/2 patterns. Treadling "tromp as writ" with DARK and LIGHT ends switched.

PROFILE


A B C D E F G H H G F E D C B
A

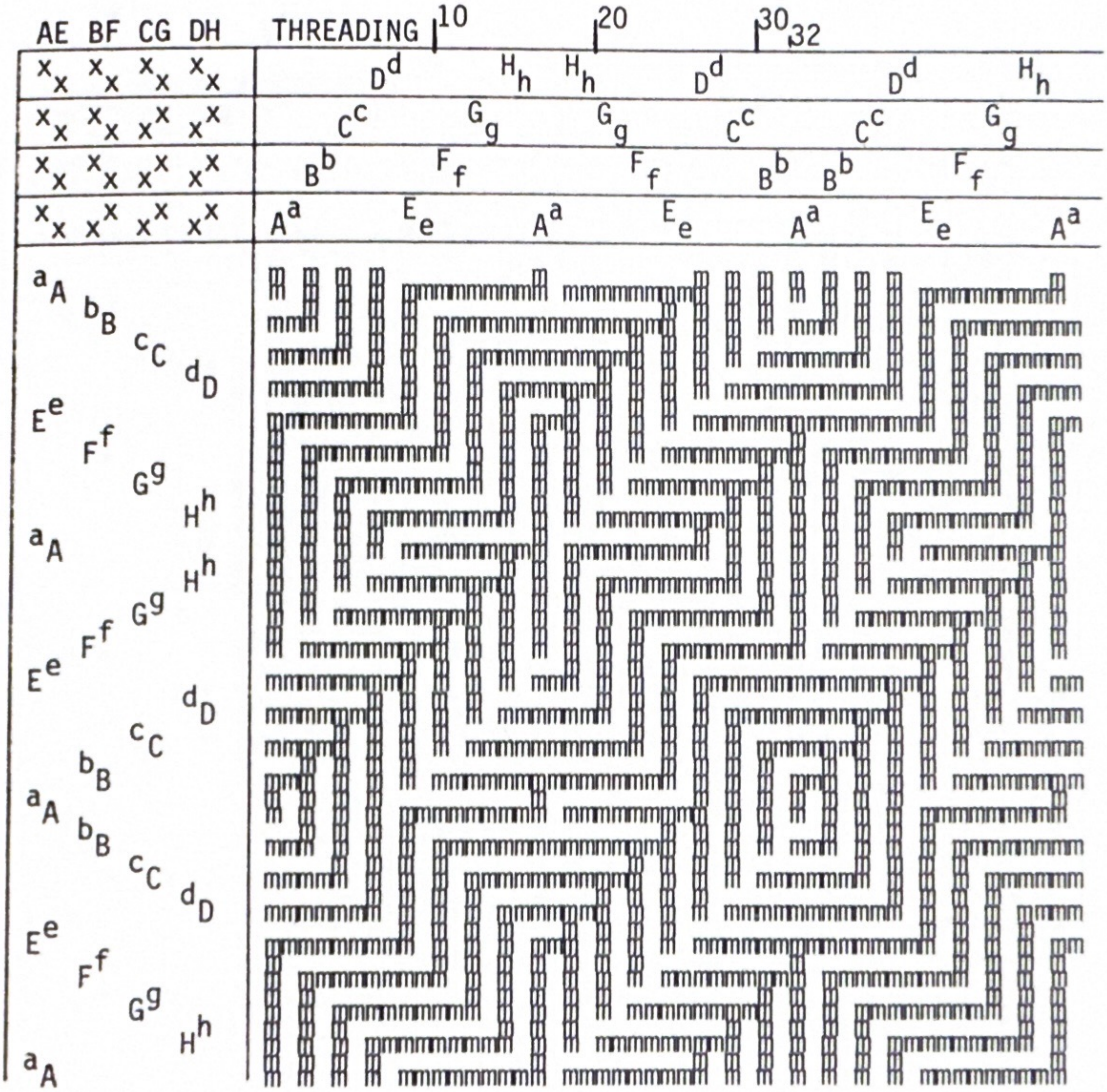
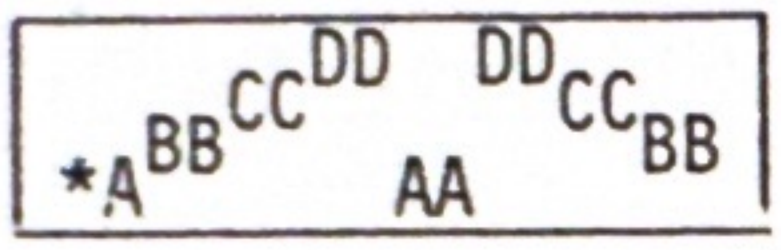

AE BF CG DH
THREADING
10
20
30
32
D d H h H h D d D d H h
C c G g G g C c C c G g
B b F f F f B b B b F f
A a E e A a E e A a E e A a
a A b B c C d D E e F f G g H h a A H h G g F f E e d D c C b B a A b B c C d D E e F f G g H h a A

Figure 32

SHADOW WEAVE- Four shaft Dark-Light SWITCH draw-down. Preferred threading.

Rosepath development in block form. Number ends per repeat 30. Repeats 1 1/2. Treadling is "tromp-as-writ", with DARK and LIGHT ends switched. The single "A" is used in body of draft so that turning points will have the same number of ends. If piece is to have border add the extra "A" unit at beginning and end of draft.


*A BB CC DD AA DD CC BB

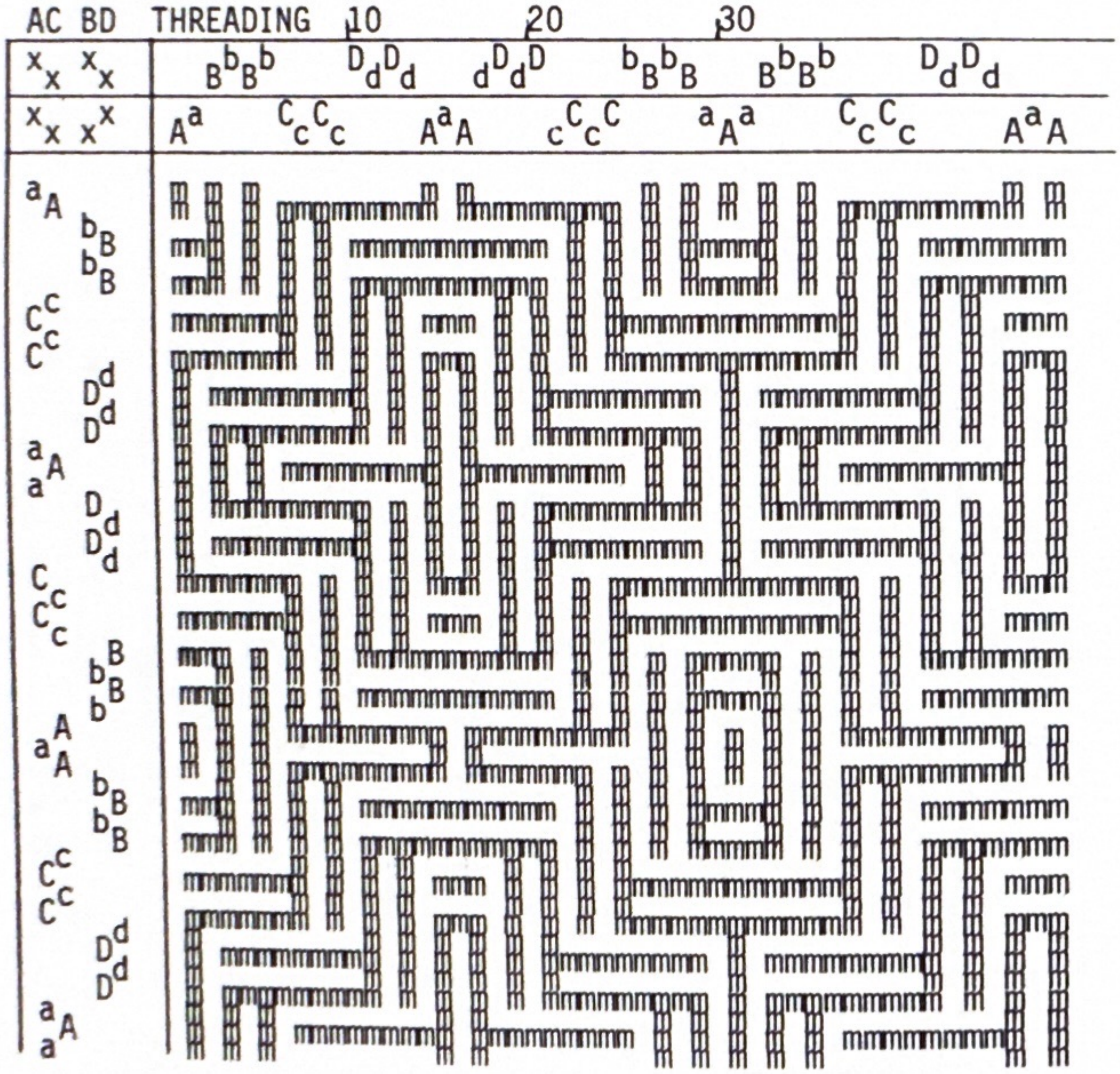

AC BD THREADING 10 20 30
x x x x
x x x x
B b B b D d D d d D d D b B b B B b B b D d D d
A a C c C c A a A c C c C a A a C c C c A a A
a A
b B
b B
C c
C c
D d
D d
a A
D d
D d
C c
C c
b B
b B
a A
b B
b B
C c
C c
D d
D d
a A

Figure 33

SHADOW WEAVE-Six shaft Dark-Light SWITCH draw-down. Preferred threading.

Rosepath development in block form. Number ends per repeat 46. One repeat. Treadling is "tromp as writ", with DARK and LIGHT ends switched. Single *A is used in body of draft so that turning points will have equal number of ends. If piece is to have border add extra *A unit at beginning and end of draft.

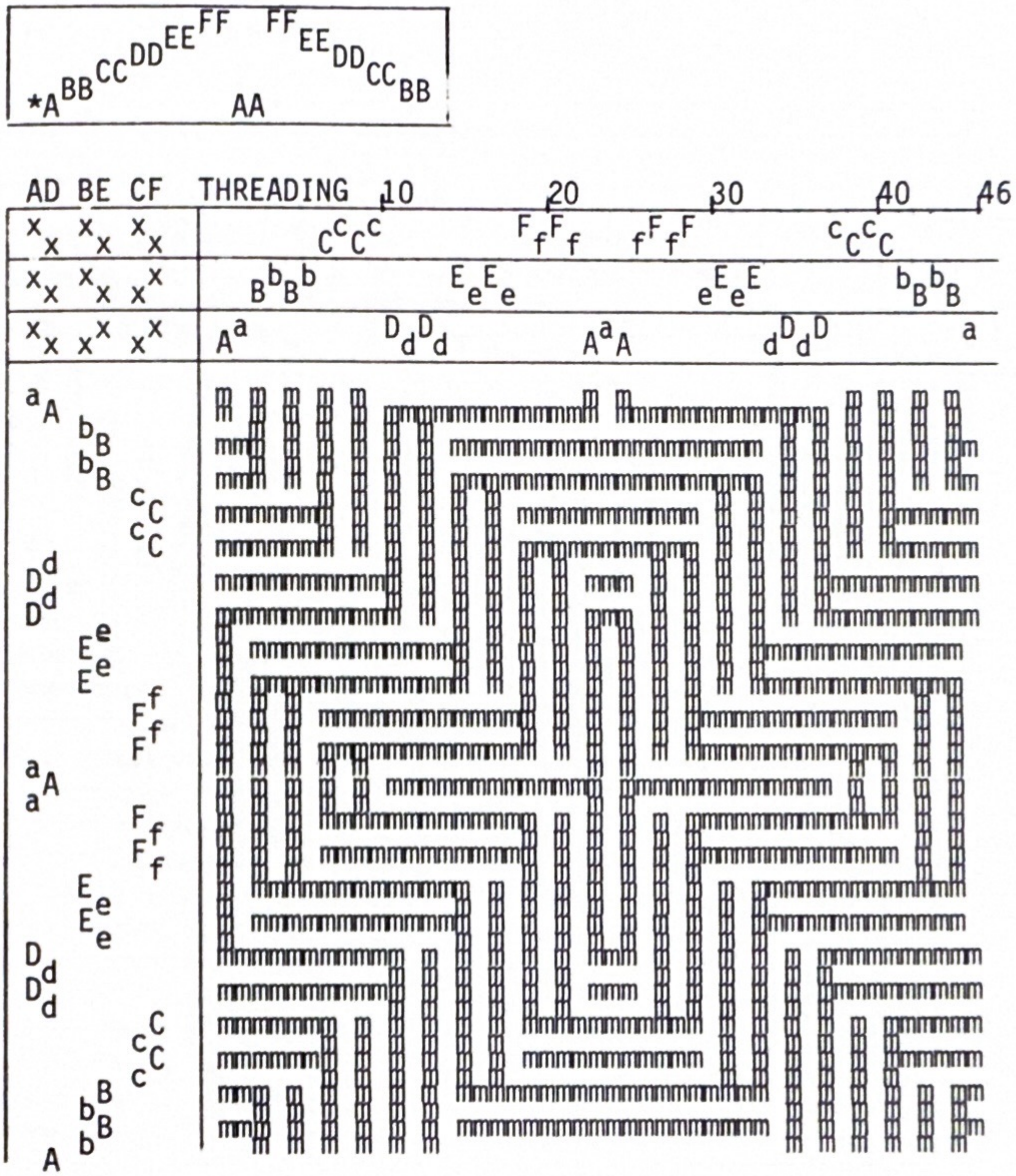

*A BB CC DD EE FF FF EE DD CC BB
AA
AD BE CF THREADING 10 20 30 40 46

Figure 34

SHADOW WEAVE- Eight shaft Dark-Light SWITCH draw-down. Preferred threading.

Rosepath development in block form. Number ends per repeat 62. One repeat. Treadling "tromp as writ", with DARK and LIGHT ends switched. Single *A is used in body of draft so that turning points will have equal number of ends. If the piece is to have border add extra *A unit at beginning and end of draft.

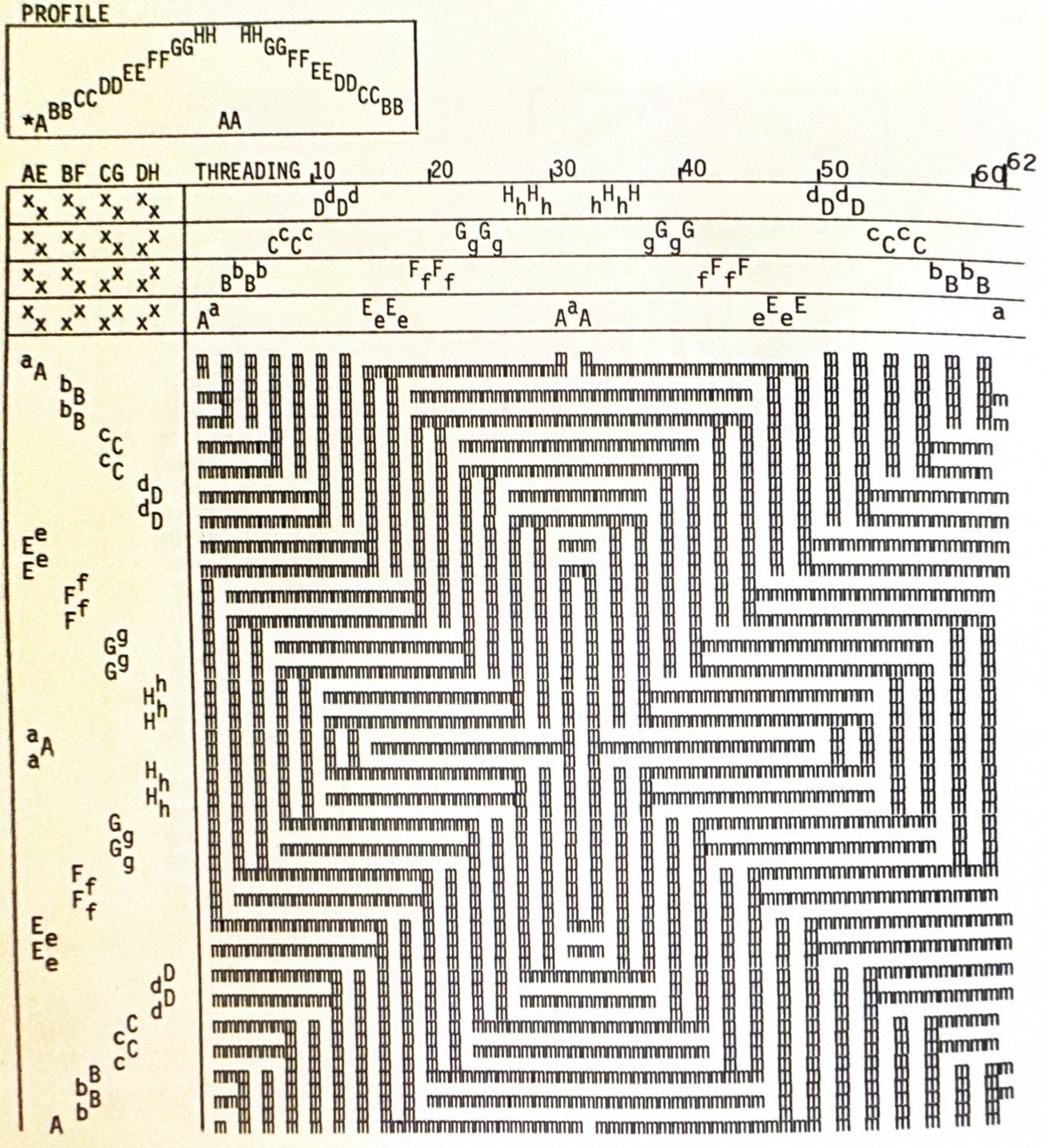
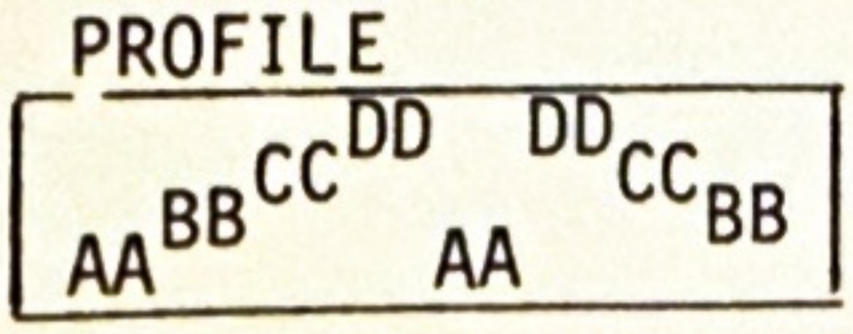

PROFILE
*A BB CC DD EE FF GG HH HH GG FF EE DD CC BB
AA
AE BF CG DH
THREADING
10
20
30
40
50
60
62

Figure 35

SHADOW WEAVE- Four shaft Dark-Light SWITCH draw-down. Secondary threading.

Rosepath development in block form. Number ends per repeat 32. Repeats 1 1/2. Treadling "tromp as writ", with DARK and LIGHT ends switched.


PROFILE
AA BB CC DD DD CC BB
AA

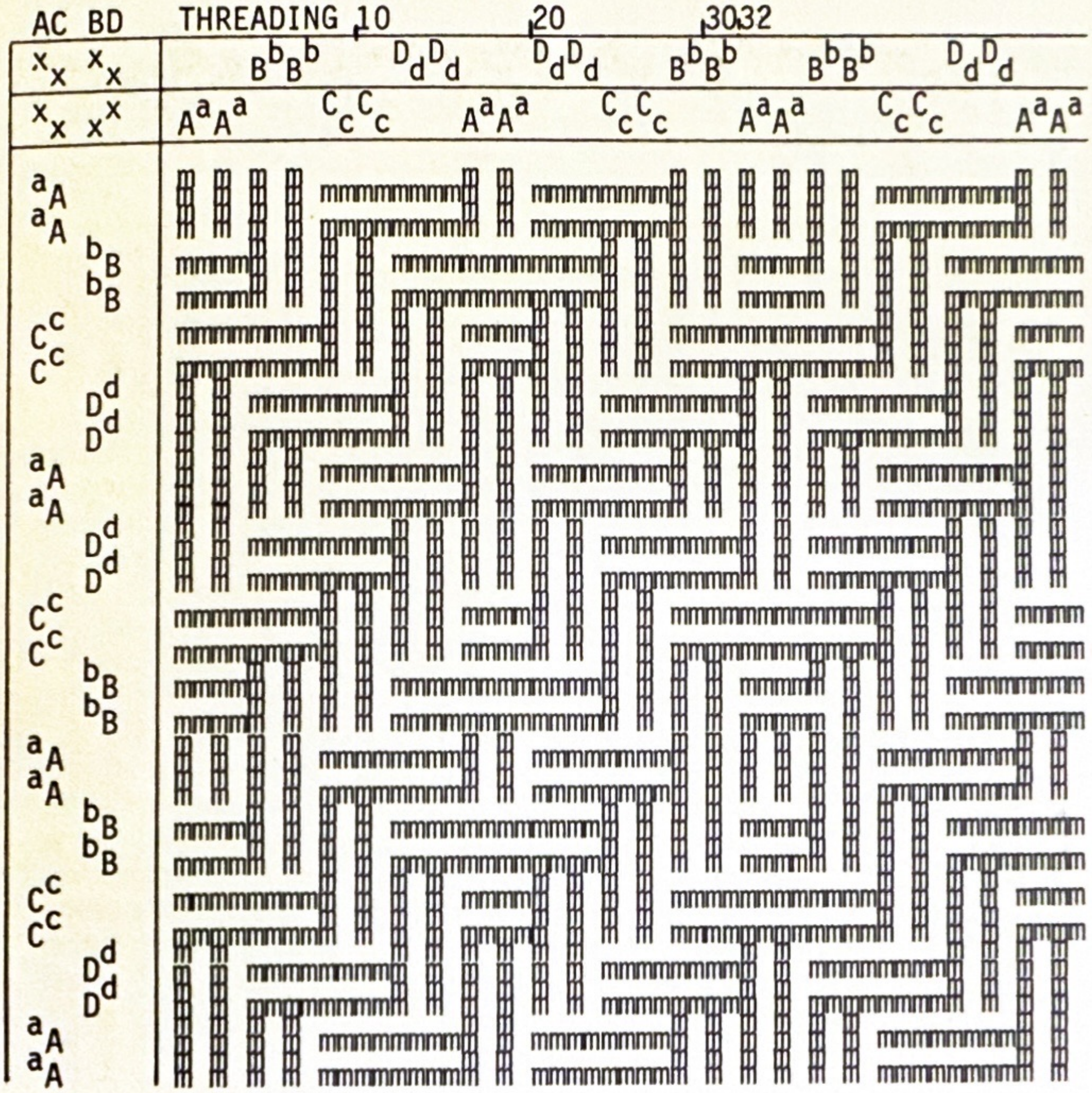

AC BD
THREADING 10
20
3032

Figure 36

SHADOW WEAVE- Six shaft Dark-Light SWITCH draw-down. Secondary threading.

Rosepath development in block form. Number ends per repeat 48. One repeat. Treadling is "tromp as writ", with DARK and LIGHT ends switched.

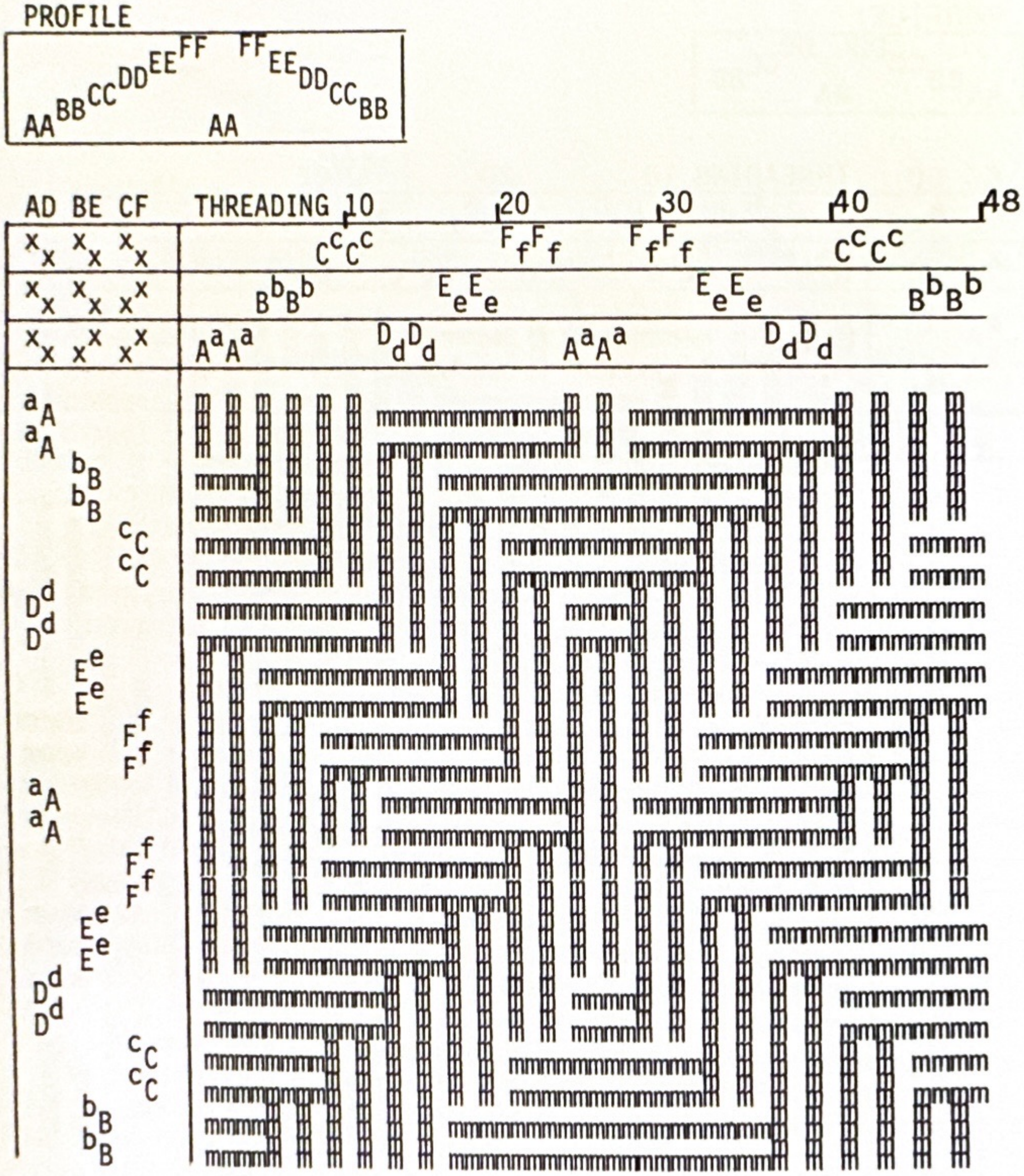
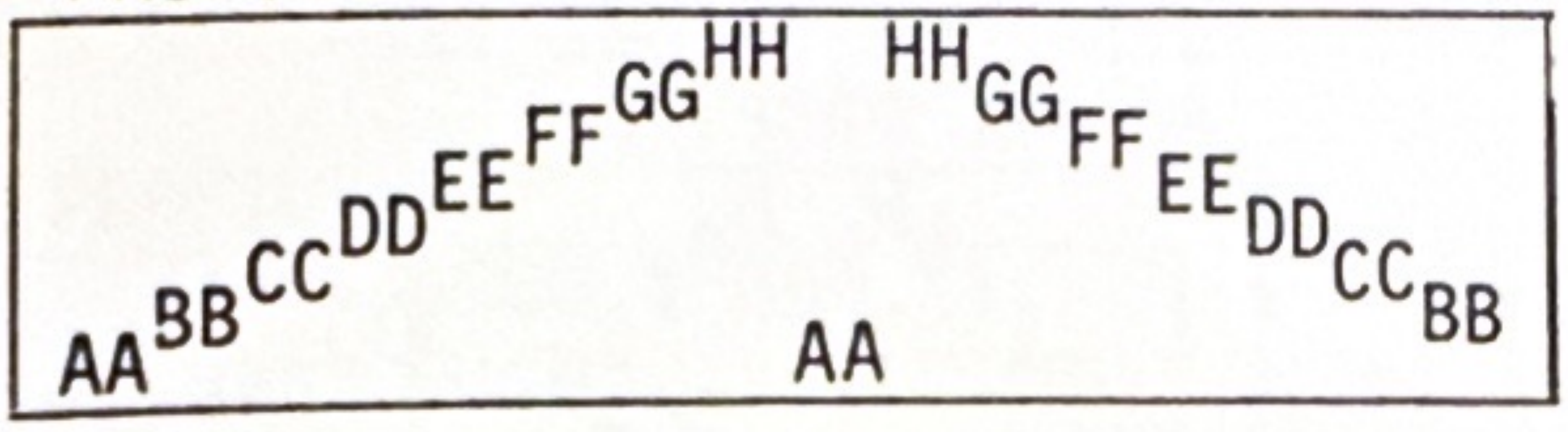

PROFILE
AA BB CC DD EE FF FF EE DD CC BB
AA
AD BE CF
THREADING
10
20
30
40
48
CcCc
FfFf
FfFf
CcCc
BbBb
EeEe
EeEe
BbBb
AaAa
DdDd
AaAa
DdDd
aA aA bB bB cC cC Dd Dd Ee Ee Ff Ff aA aA Ff Ff Ee Ee Dd Dd cC cC bB bB

Figure 37

SHADOW WEAVE- Eight shaft Dark-Light SWITCH draw down. Secondary threading.

Rosepath development in block form. Number ends per repeat 65. One repeat. Treadling "tromp as writ" with DARK and LIGHT ends switched.

PROFILE


AA BB CC DD EE FF GG HH HH GG FF EE DD CC BB AA

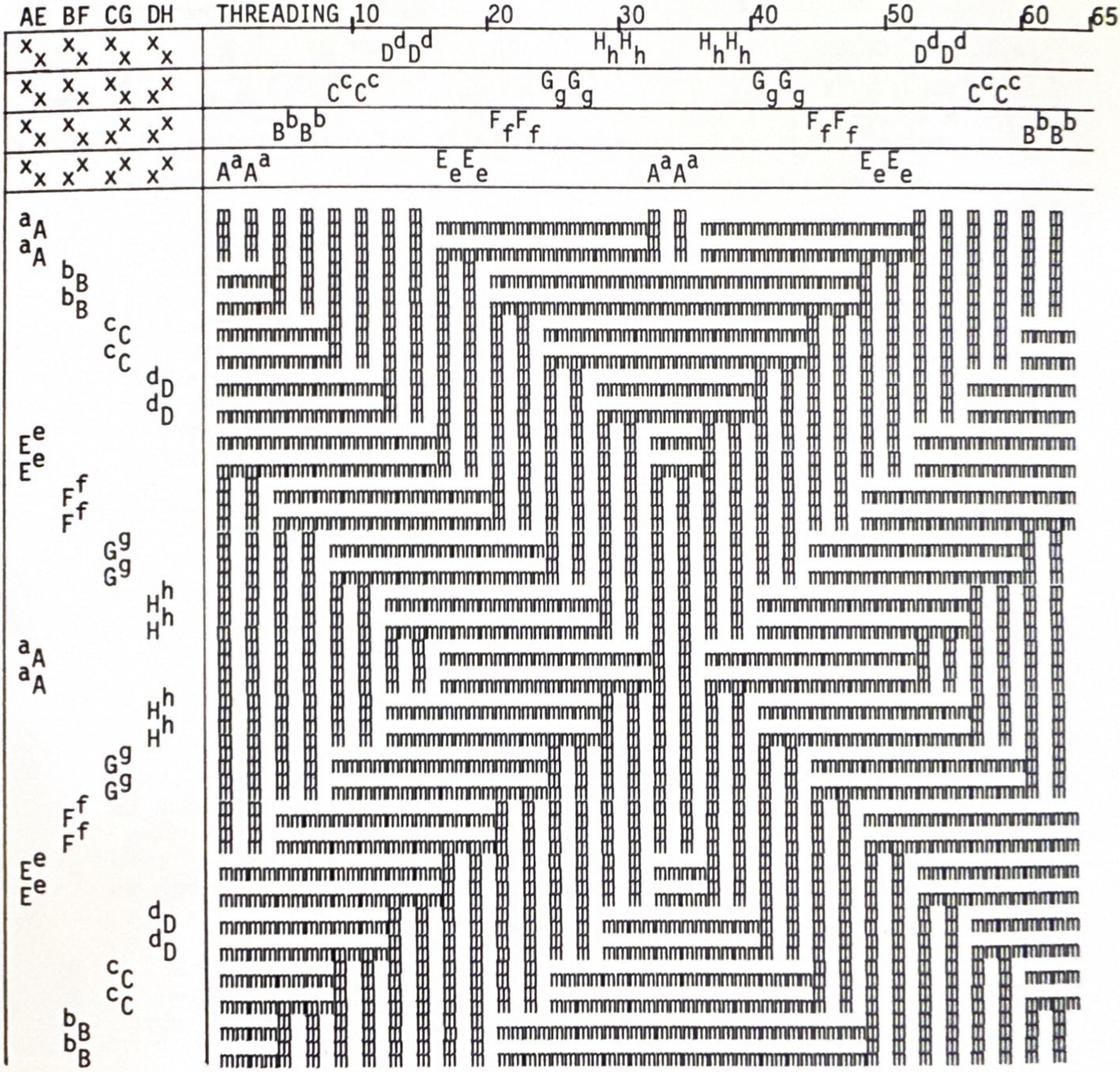

AE BF CG DH
THREADING
10
20
30
40
50
60
65

Figure 38

SHADOW WEAVE-Eight shaft NOVELTY TIE . Preferred threading.

Dark-Light rosepath development in unit form of 8S-2. Number ends per repeat 34. Repeats 1 1/2. Treadling "tromp as writ". Shadow Weave drawdown chart not applicable for this series.

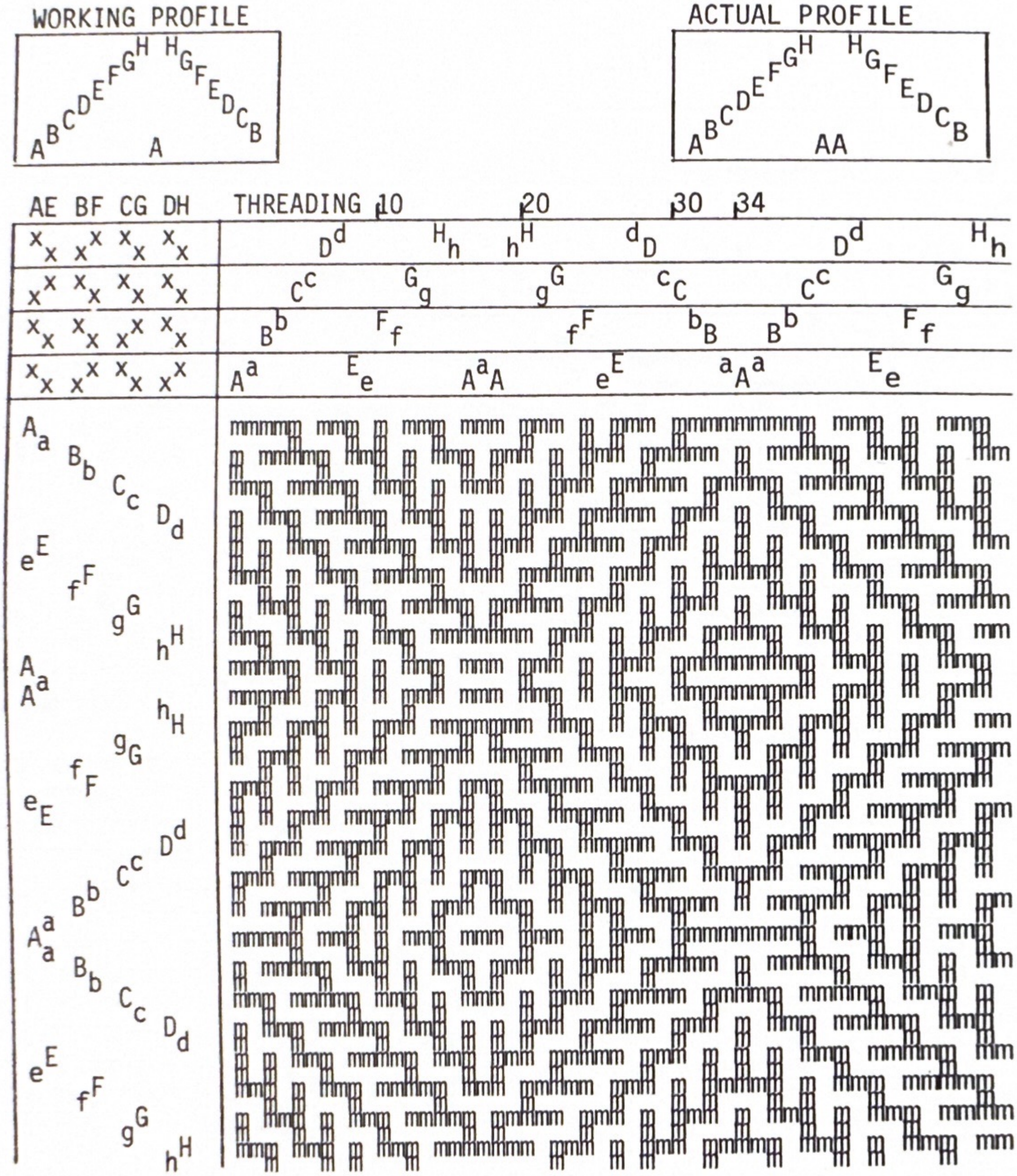

WORKING PROFILE
ACTUAL PROFILE
AE BF CG DH
THREADING 10 20 30 34

Figure 39

SHADOW WEAVE- four shaft STRUCTURE draw down. Preferred threading.

Rosepath development in block form. (3 units). Powell and Atwater methods work out the same. Number ends per repeat 46. Repeats 1 1/2. Treadling "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols. See figures 1 and 2.

PROFILE

```
           DDD    DDD
       CCC            CCC
   BBB                    BBB
*AA           AAA
```

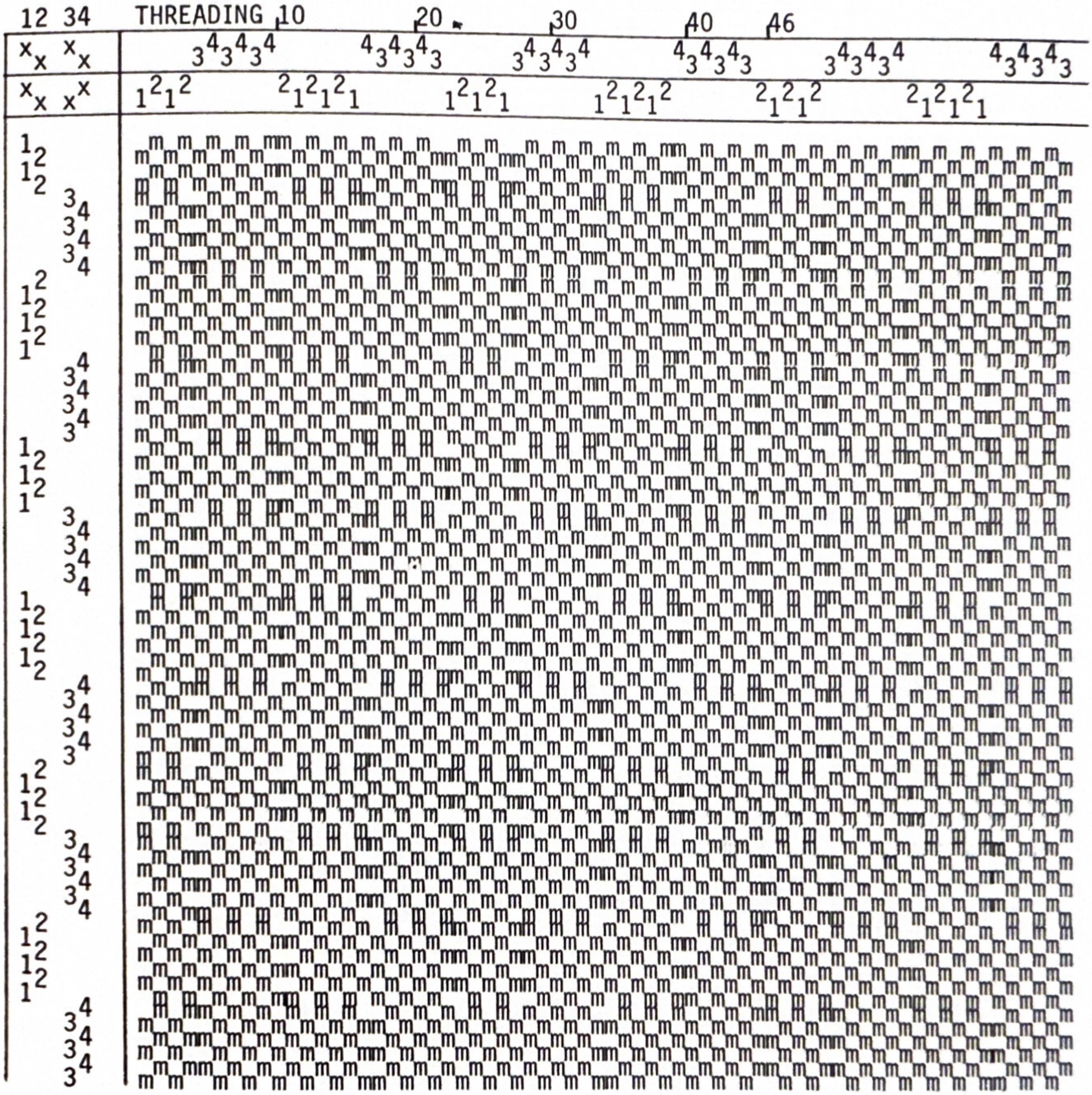


Figure 40

SHADOW WEAVE-Six shaft DARK-LIGHT draw down. Preferred threading.

Opposites development #6-15 in block form. (3 units). Number ends per pattern 34. Repeats 1 1/2. Treadling "tromp as writ".

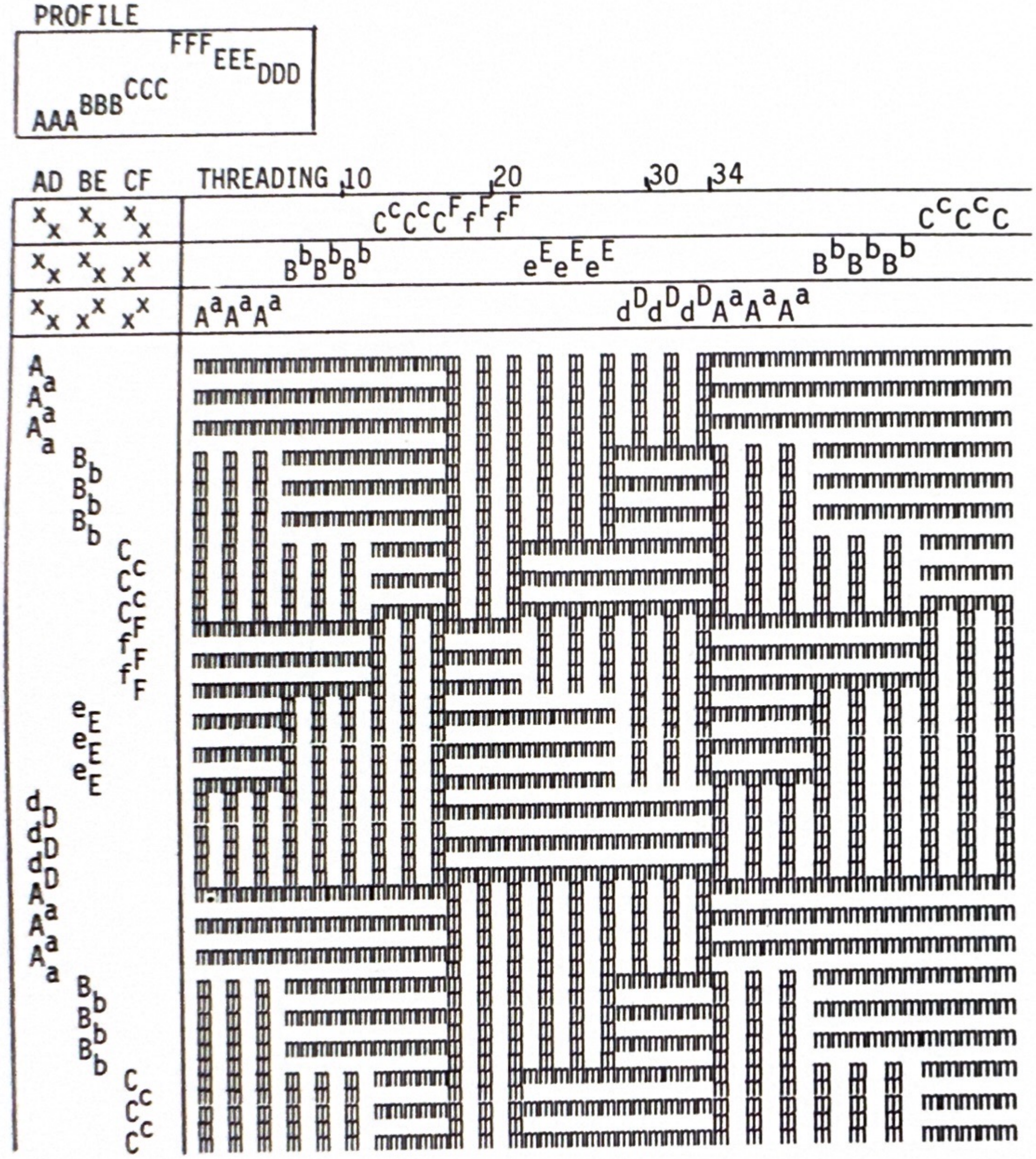

PROFILE
AAA BBB CCC FFF EEE DDD
AD BE CF
THREADING
10
20
30
34
cCcCcC FfFfF
cCcCcC
BbBbBb
eEeEeE
BbBbBb
AaAaAa
dDdDdD AaAaAa
Aa Aa Aa Bb Bb Bb Cc Cc CF fF fF eE eE eE dD dD dD Aa Aa Aa Bb Bb Bb Cc Cc Cc

Figure 41

SHADOW WEAVE- Six shaft DARK-LIGHT draw down. Secondary threading.

Opposites development #6-15 in block form. (3 units). Number ends per repeat 36. Repeats 1 1/2. Treadling "tromp as writ".

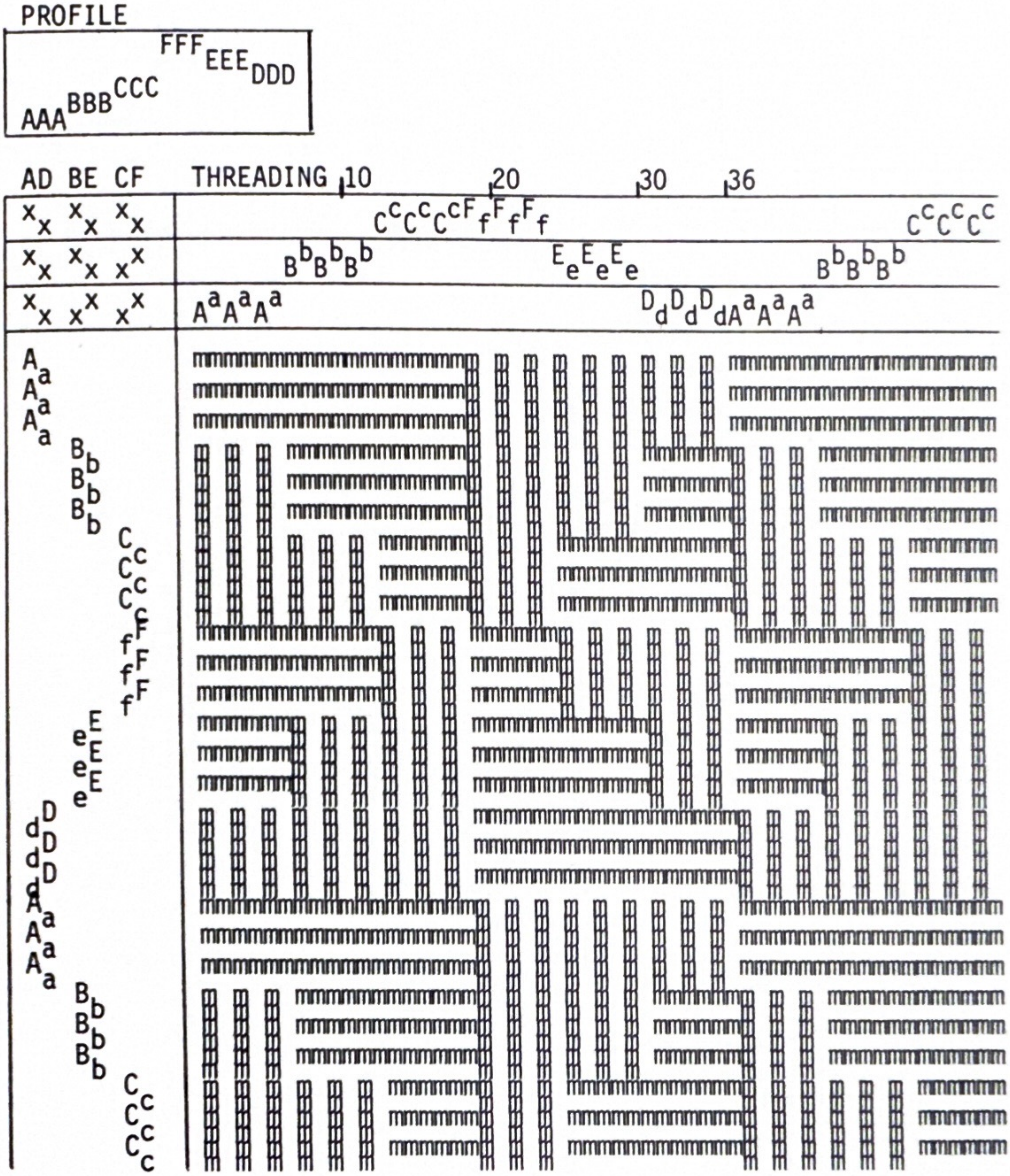

PROFILE
FFF EEE DDD
AAA BBB CCC
AD BE CF
THREADING
10
20
30
36

Figure 42

SHADOW WEAVE- Six shaft STRUCTURE draw down. Preferred threading.

Opposites development #6-15 in block form. (3 units) Number ends per repeat 34. Repeats 1 1/2. Treadling "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols.

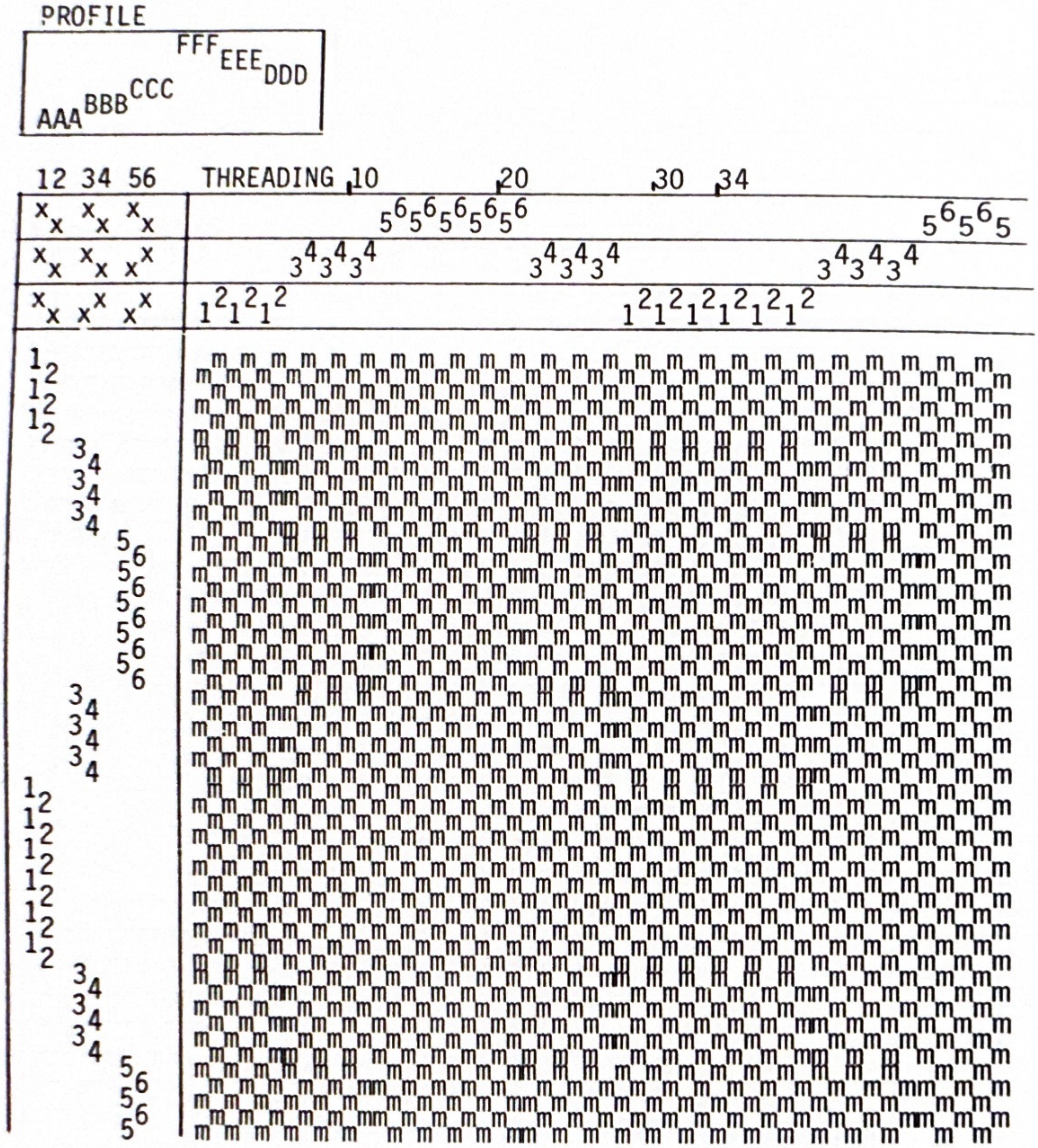

PROFILE
AAA BBB CCC FFF EEE DDD
12 34 56
THREADING 10 20 30 34

Figure 43

SHADOW WEAVE-Six shaft STRUCTURE draw down. Secondary threading.

Opposites development #6-15 in block form. (3 units). Number ends per repeat 36. Repeats 1 1/2. Treadling "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols.

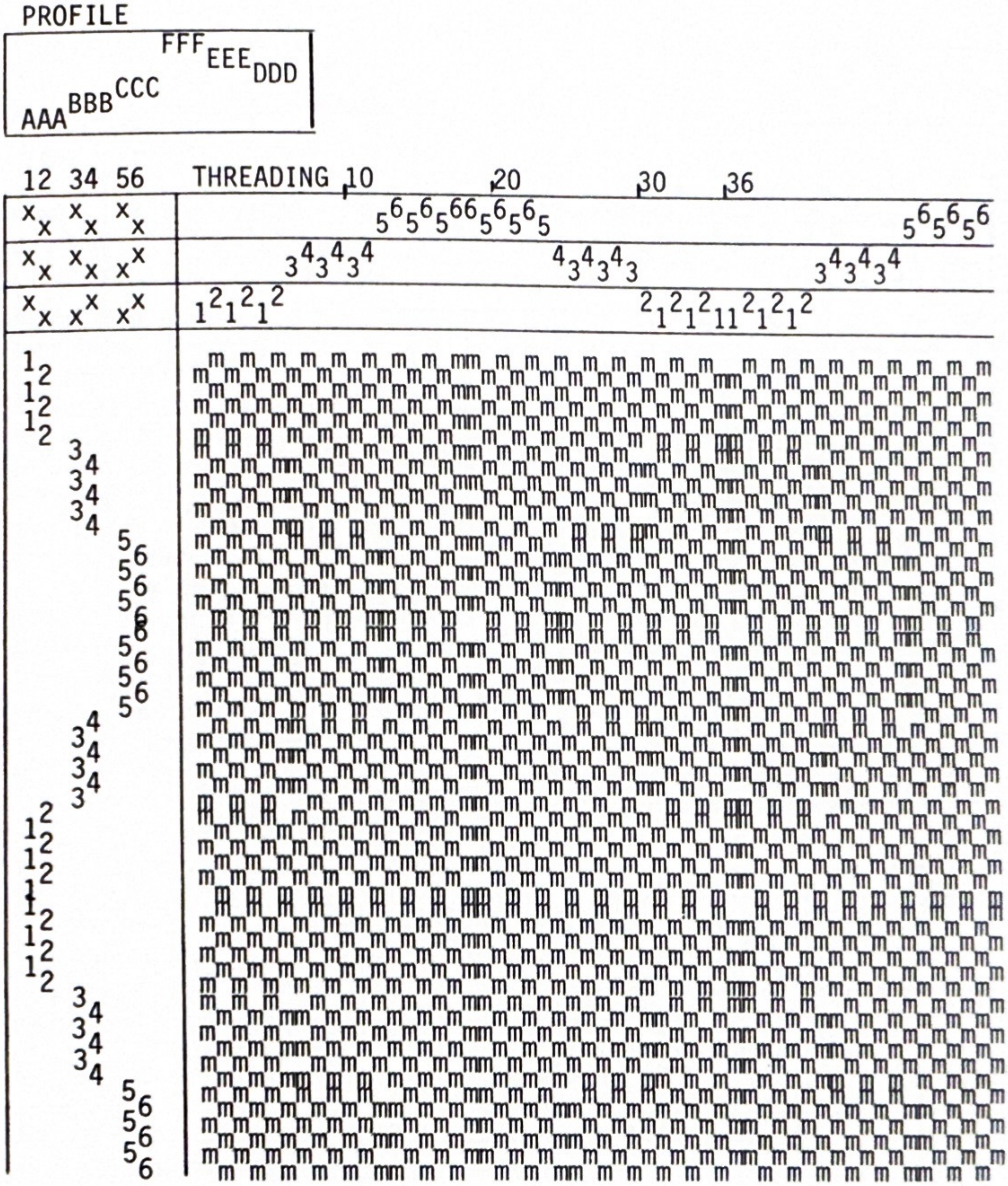

PROFILE
FFF EEE DDD
AAA BBB CCC
12 34 56
THREADING 10 20 30 36

Figure 44

SHADOW WEAVE- Four shaft DARK-LIGHT draw down. Preferred threading.

Undulating development #4-20. This pattern combines units and blocks and is more complex than the Rosepath development. Number ends per repeat 38. Repeats 1+ patterns. Treadling "tromp as writ".

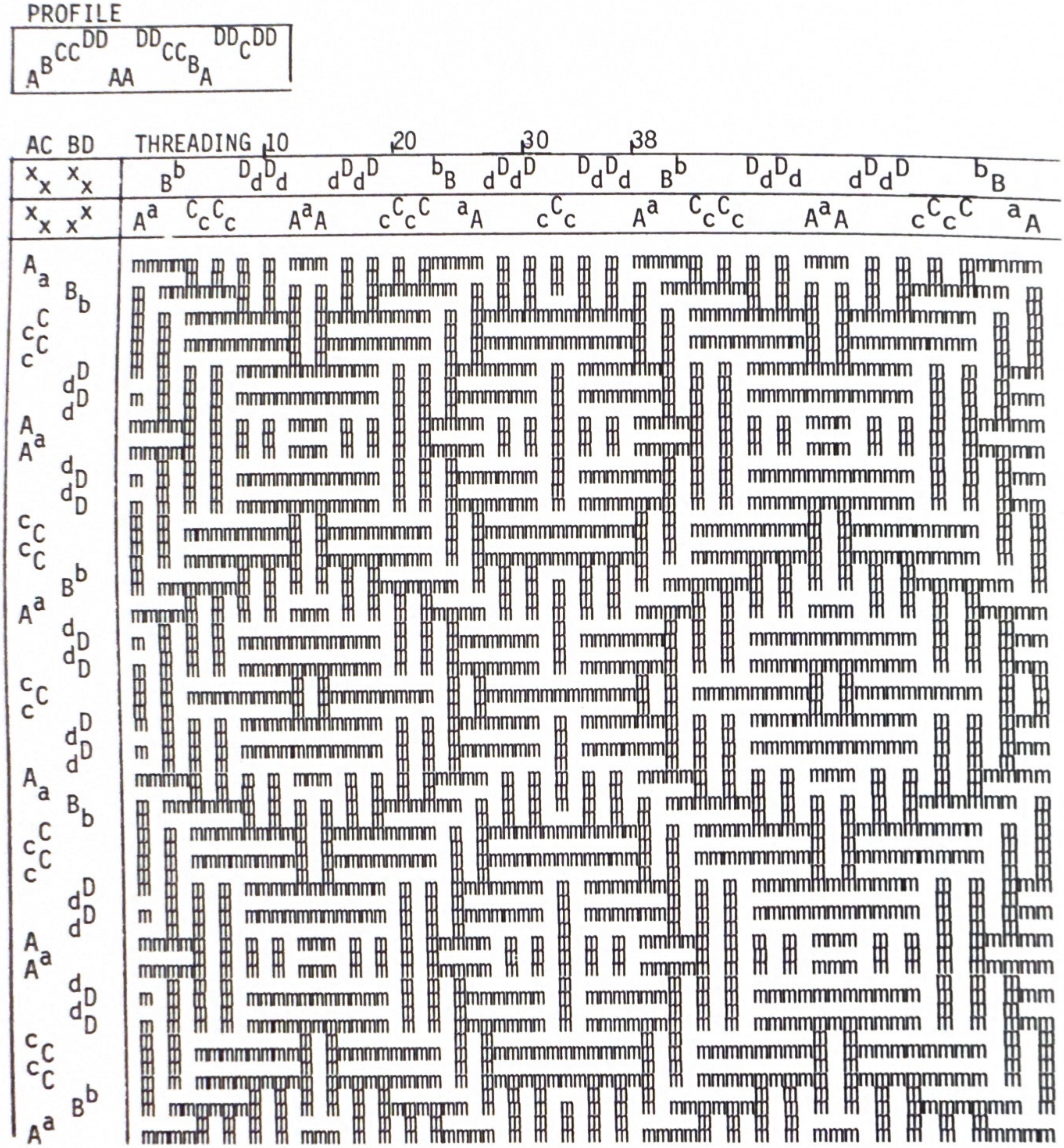
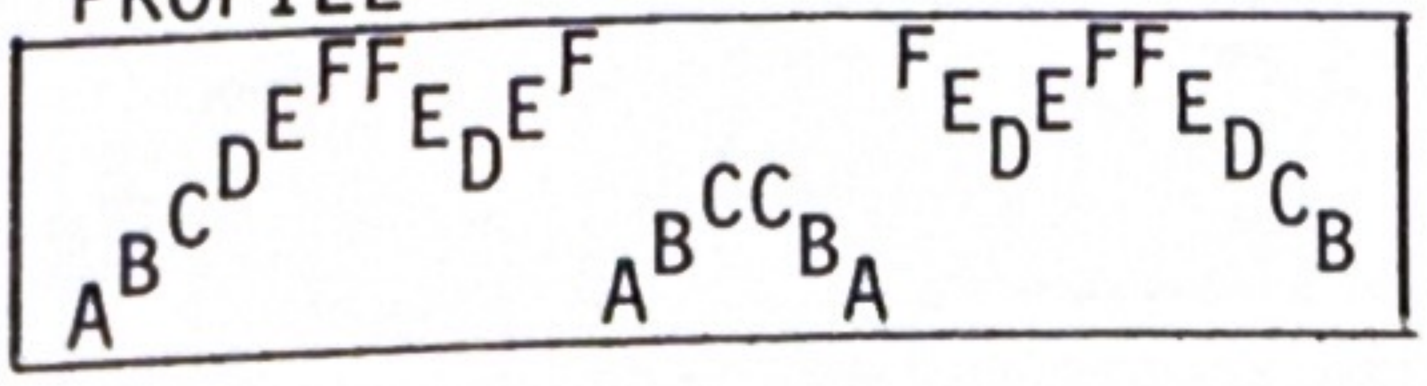

PROFILE
AC BD
THREADING
10
20
30
38

Figure 45

SHADOW WEAVE- Six shaft DARK-LIGHT draw down. Preferred threading.

Extended point twill development #6-4. Number ends per repeat 54. Repeats 1+. Treadling "tromp as writ".

PROFILE


ABCDEFFEDEF ABCCBA FEDEFFEDCB

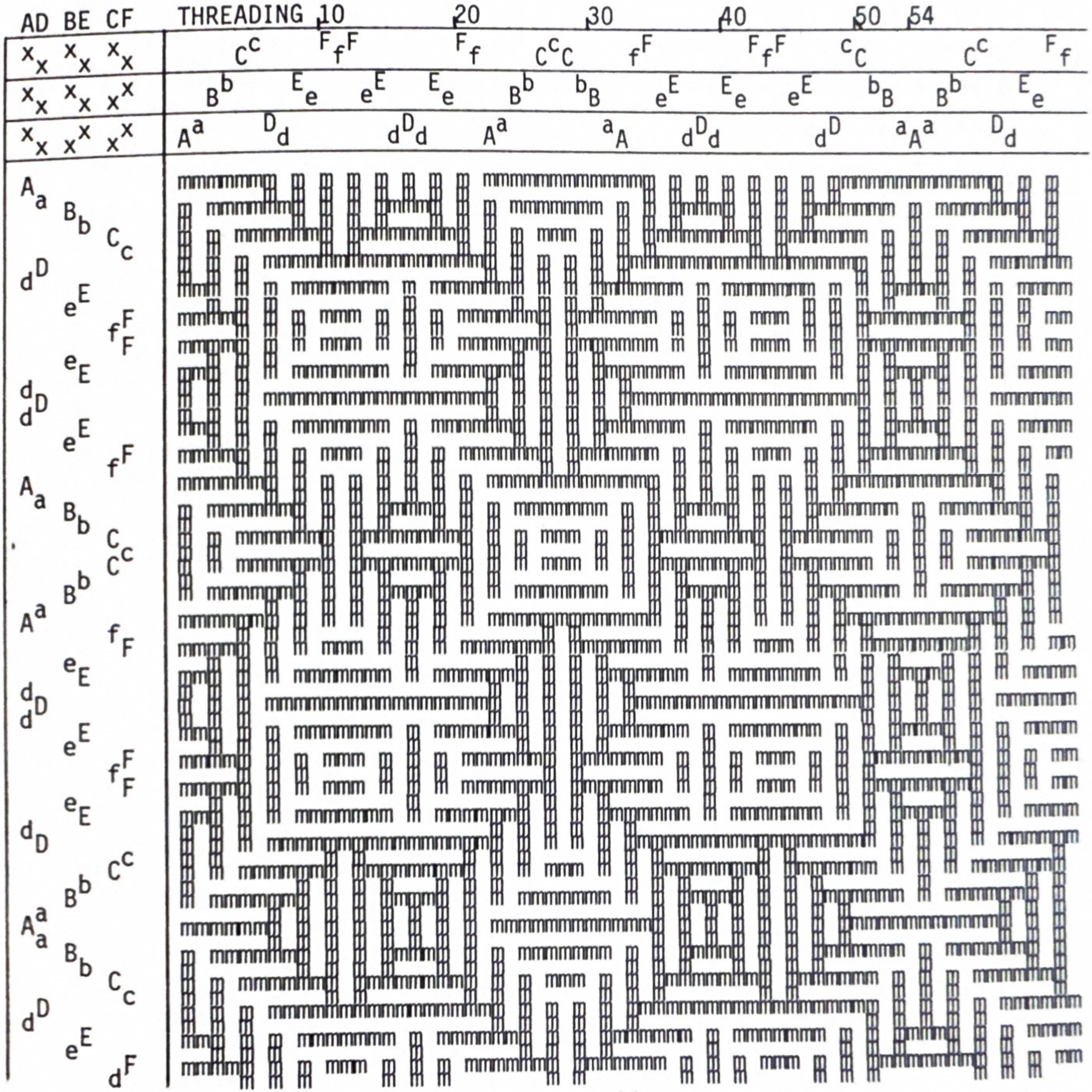
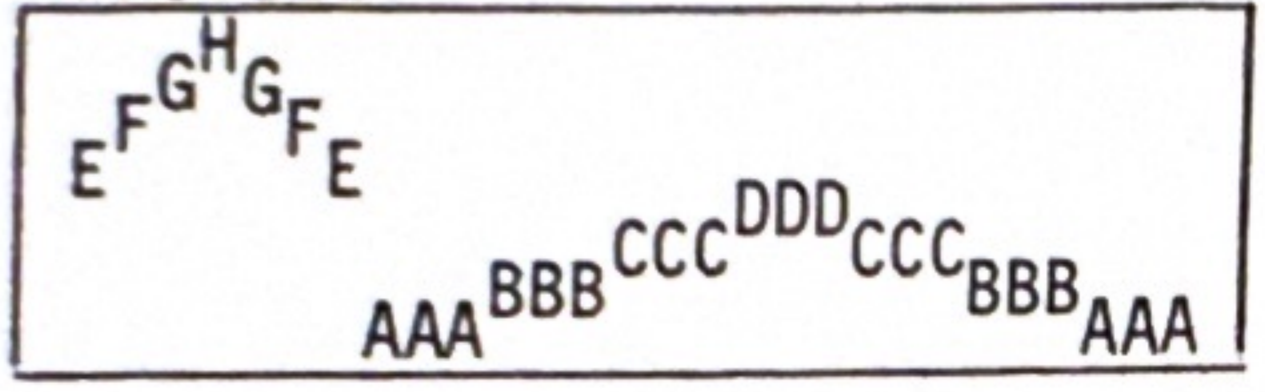

AD BE CF
THREADING 10 20 30 40 50 54
Aa Bb Cc dD eE fF eE dD eE fF Aa Bb Cc Bb Aa fF eE dD eE fF eE dD Cc Bb Aa Bb Cc dD eE dF

Figure 46

SHADOW WEAVE- Eight shaft DARK-LIGHT draw down. Preferred threading.

Opposites development #8-26, combining units and blocks. Number ends per repeat 56. Repeats 1+. Treadling "tromp as writ".

PROFILE


E F G H G F E
AAA BBB CCC DDD CCC BBB AAA

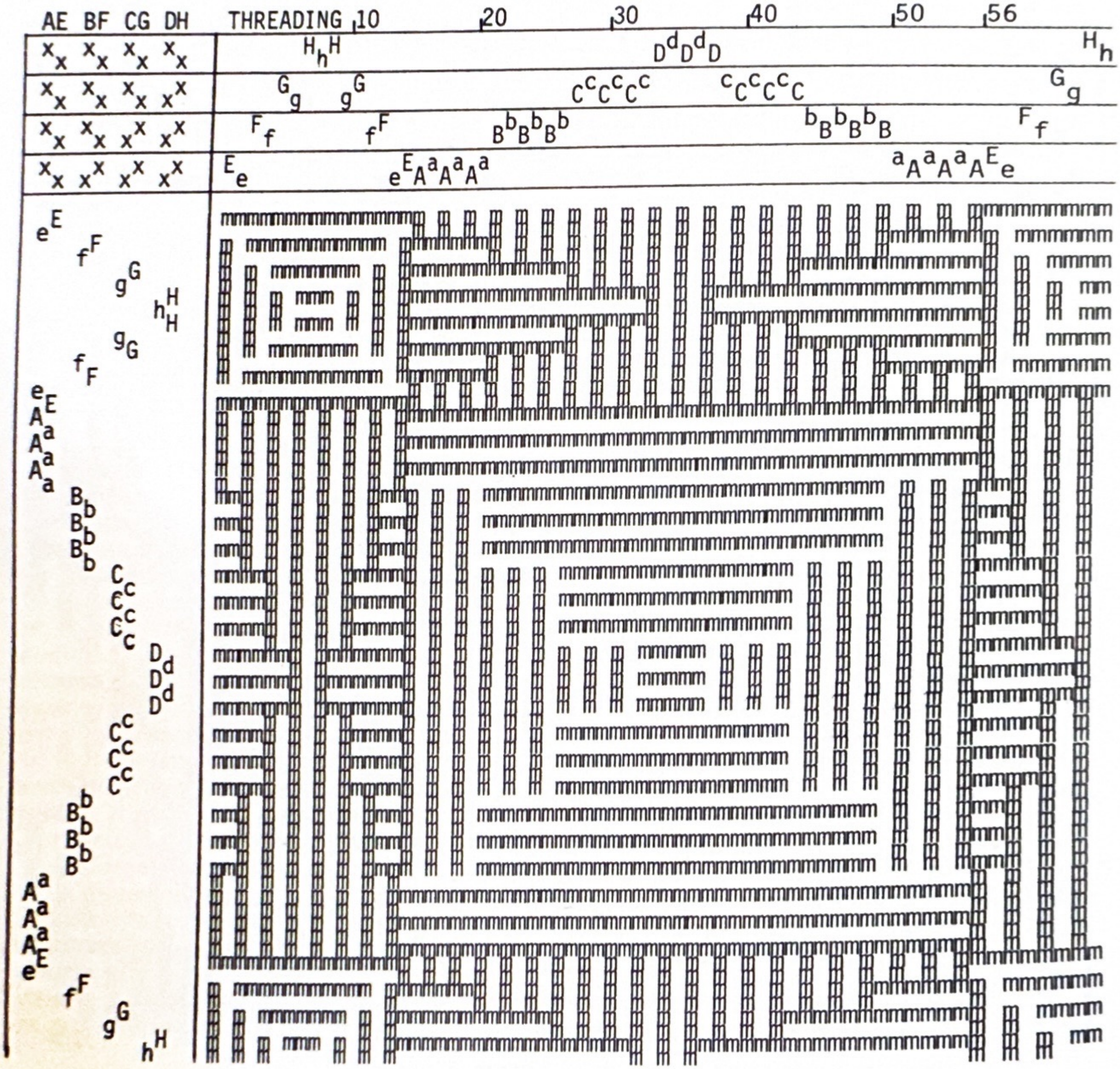

AE BF CG DH
THREADING
10
20
30
40
50
56

Figure 47

SHADOW WEAVE- Four shaft STRUCTURE draw down. Preferred threading.

Undulating development #4-20. Number ends per repeat 38. Repeats 1+. Treadling "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols.

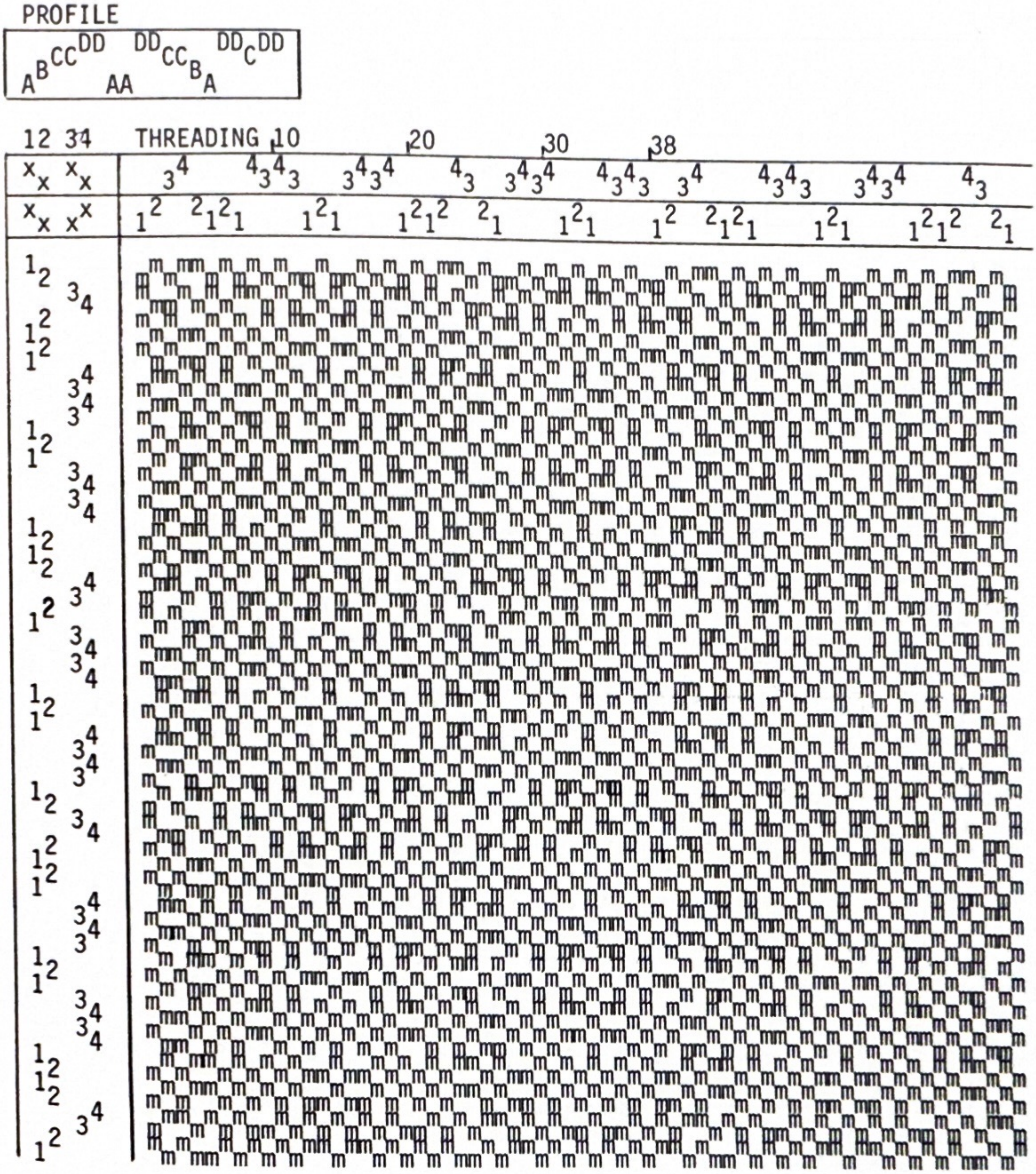

PROFILE
12 34
THREADING
10
20
30
38

Figure 48

SHADOW WEAVE- Six shaft STRUCTURE draw down. Preferred threading.

Extended point twill development #6-4. Number ends per repeat 54. Repeats 1+. Treadling "tromp as writ". Dark and light disregarded in both threading and treadling. Numbers used as symbols.

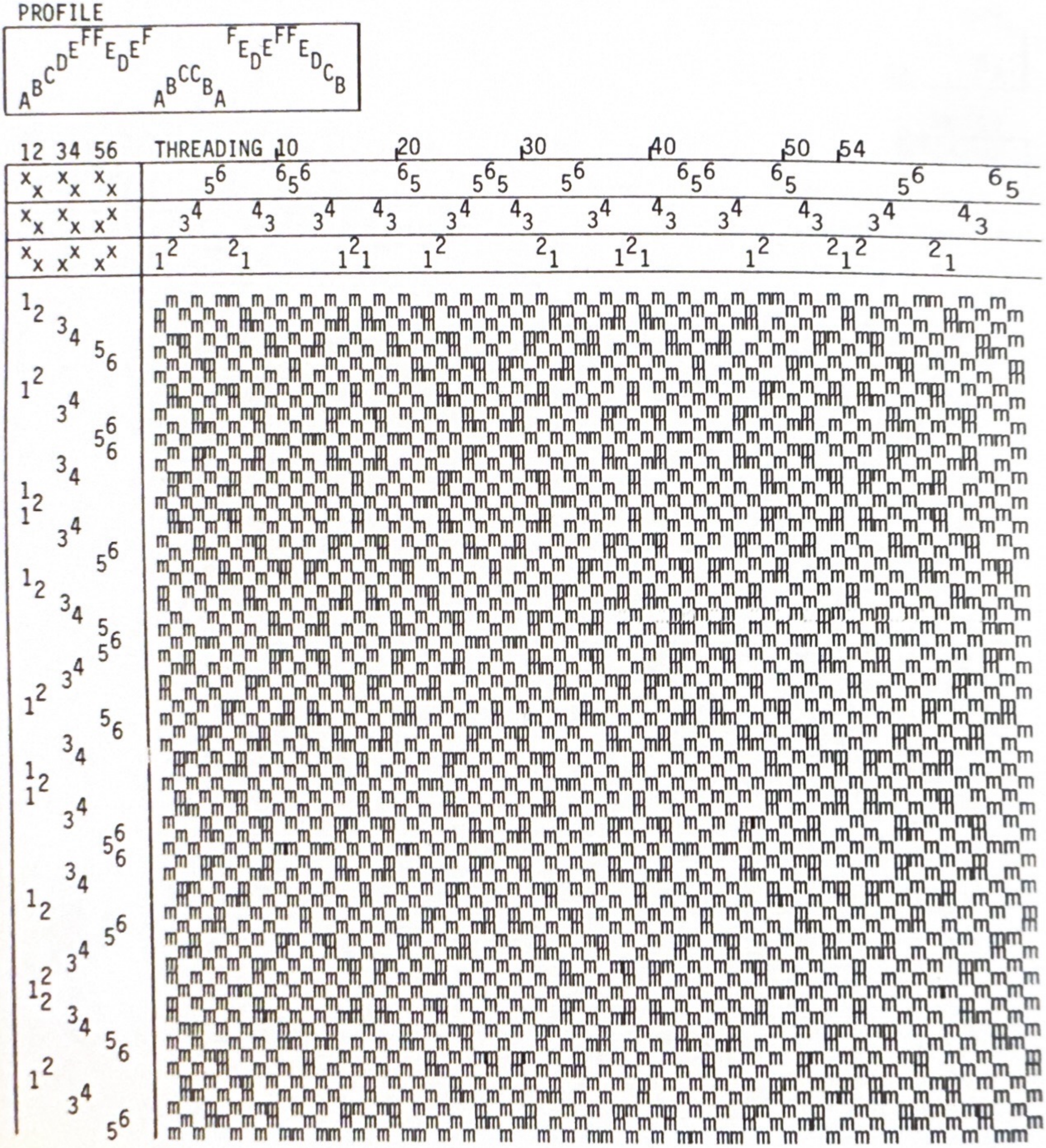

PROFILE
A B C D E F F E D E F
A B C C B A
F E D E F F E D C B
12 34 56
THREADING
10
20
30
40
50
54

Figure 49

SHADOW WEAVE- Eight shaft STRUCTURE draw down. Preferred threading.

Opposites development #8-26, including units and blocks. Number ends per repeat 56. Repeats 1+. Treadling "tromp as writ". Dark and light disregarded in threading and treadling. Numbers used as symbols.

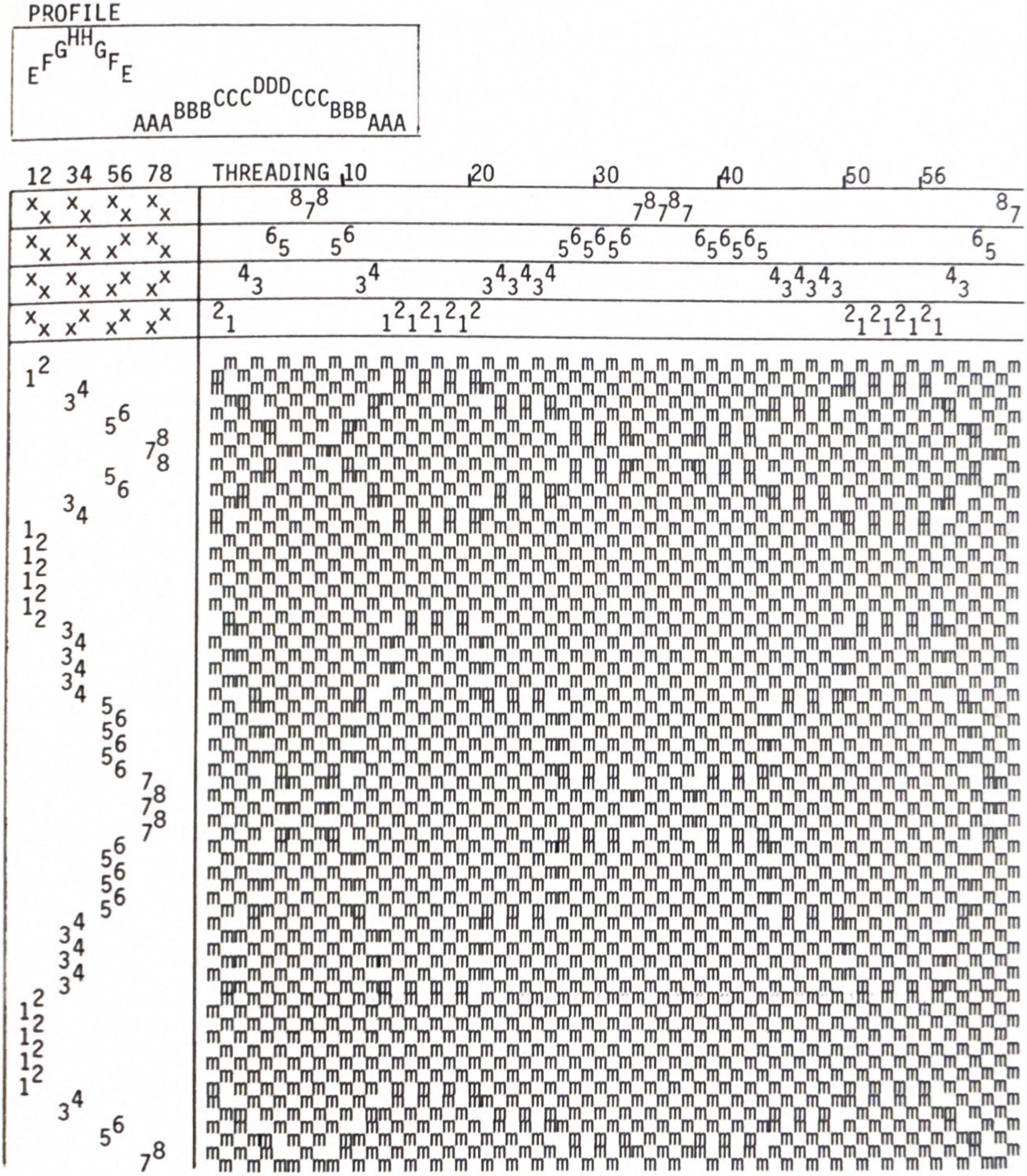
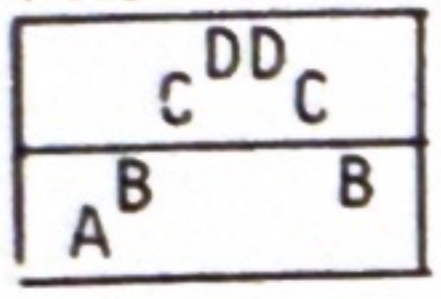

PROFILE
EFGHHGFE
AAABBBCCCDDDCCCBBBAAA
12 34 56 78
THREADING
10
20
30
40
50
56

Figure 50

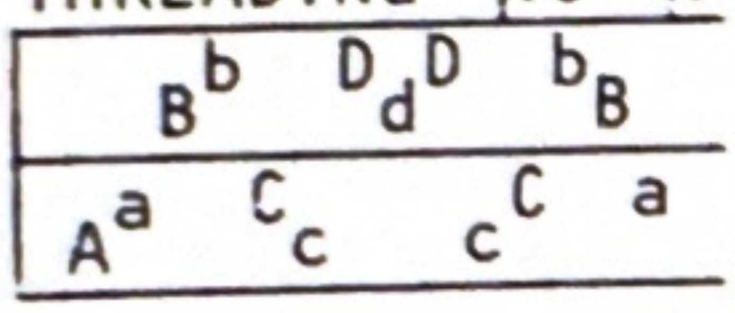
Four Harness Drafts

4-1 SHADOW WEAVE. Point twill development. 14 nds.

PROFILE



THREADING ,10 ,14



TREADLE NUMBERS. Dark underlined.	UNIT and/or BLOCK designations.
1. Tromp as writ.	ABC DD CBA
2. 1̲23̲4 2̲14̲3	AB CD
3. 1̲23̲4 2̲12̲ 43̲2	AB CC B
4. 1̲23̲42̲1 4̲34̲ 12̲43̲21̲ 34̲3	ABC DD CBA D
5. 1̲23̲42̲14̲3 1̲21̲ 34̲12̲43̲21̲ 34̲12̲14̲3	ABCD AA DCBA DCD
6. 1̲23̲42̲14̲3 1̲23̲43̲21̲ 34̲12̲43̲21̲ 34̲12̲ 43̲4 2̲14̲3	ABCD ABBA DCBA DC B CD
7. 1̲23̲42̲1 4̲34̲ 12̲43̲21̲ 2̲14̲31̲2 3̲43̲ 21̲34̲12̲	ABC DD CBA DCA BB ADC
8. 1̲23̲43̲21̲ 2̲14̲34̲12̲	ABA CDC
9. 1̲21̲2 3̲43̲43̲ 21̲21̲ 2̲12̲ 43̲43̲4 2̲12̲	AA BBB AA CC BB CC
10. 1̲21̲2 3̲43̲43̲ 21̲21̲ 12̲12̲ 43̲43̲4 2̲12̲1	AA BBB AA CC BB CC
11. 1̲23̲4 2̲12̲ 43̲21̲ 12̲43̲ 21̲2 3̲42̲1	AB CC BA CBABC
12. 1̲2 3̲4x2 2̲12̲ 43̲x2 2	A BB CC BB
13. 1̲2x2 3̲4 2̲12̲ 43̲ 2	AA B CC B
14. 1̲2 3̲4x2 2̲12̲ 43̲x2 21̲ 1̅2̲ 4̅3̲x2 2̅1̲2̅ 3̲4̅x2 2̲1̅	A BB CC BB A C BB A BB C
15. SWITCH INTERLACEMENT 21̲ 43̲x2 12̲1 3̲4x2 1̲2 2̲1̅ 3̲4̅x2 1̲2̅1̲ 4̅3̲x2 1̅2̲	
16. 1̲2x2 3̲4 2̲1x2 4̲34̲34̲ 12̲x2 43̲ 21̲x2 34̲34̲3	AA B CC DDD CC B AA DD
17. 1̲2x2 3̲4 2̲1x2 4̲3x3 1̲21̲ 34̲x3 12̲x2 4̅3̲ 21̲x̅2 3̅4̲x3 1̅2̲1 4̲3̅x3̅	AA B CC DDD CC B AA DDD C DDD

4-2 SHADOW WEAVE. Extended point twill development. 30 nds.

PROFILE

$C^D \quad C^{DD}C \quad {}^DC$

$A^B \quad A^B \quad {}^BA \quad {}^B$

THREADING 10 20 30

$B^b \quad {}^D{}_d \quad B^b \quad {}^D{}_d{}^D \quad {}^b{}_B \quad d^D \quad {}^b{}_B$

$A^a \quad {}^C{}_c \quad A^a \quad {}^C{}_c \quad c^C \quad {}^a{}_A \quad c^C \quad {}^a$

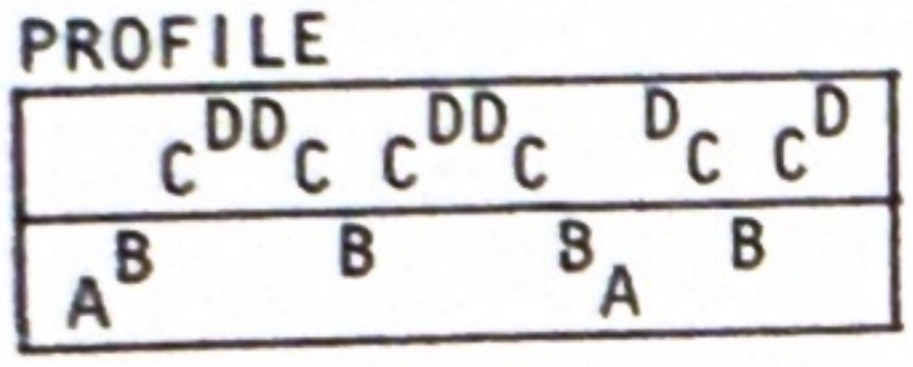
TREADLE NUMBERS. Dark underlined.	UNIT and/or BLOCK designations.
1. Tromp as writ.	ABCD ABC DD CBA DCB
2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3. $\underline{1}2\underline{3}4$_21 $\underline{4}3\underline{4}$ $1\underline{2}$ $4\underline{3}2$	ABC DD CBA
4. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABC DD CBA D
5. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABCD ABCD ABC DD CBA DCBA DCBA D
6. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}$ 2	ABC DD CB A BCD A BB A DCB A BCD ABC DD CBA DCB A BCD ABBA DCB
7. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$	ABCD ABCD AA DCBA DCBA DCD
8. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}4$ $\underline{2}1\underline{4}3$	ABCD ABCD ABBA DCBA DCBA DC B CD
9. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$	ABCD ABC DD CBA DCBA CDAB CDA BB ADC BADC
10. $\underline{1}2\times2$ $\underline{3}4$ $\underline{2}1\times2$ $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\times2$ $4\underline{3}$ $2\underline{1}\times2$ $3\underline{4}3\underline{4}3$	AA B CC DDD CC B AA DD
11. $\underline{1}2\times2$ $\underline{3}4$ $\underline{2}1\times2$ $\underline{4}3\times3$ $\underline{1}2\underline{1}$ $3\underline{4}\times3$ $1\underline{2}\times2$ $4\underline{3}$ $2\underline{1}\times2$ $3\underline{4}\times3$ $1\underline{2}1$ $4\underline{3}\times3$	AA B CC DDD AA DDD CC B

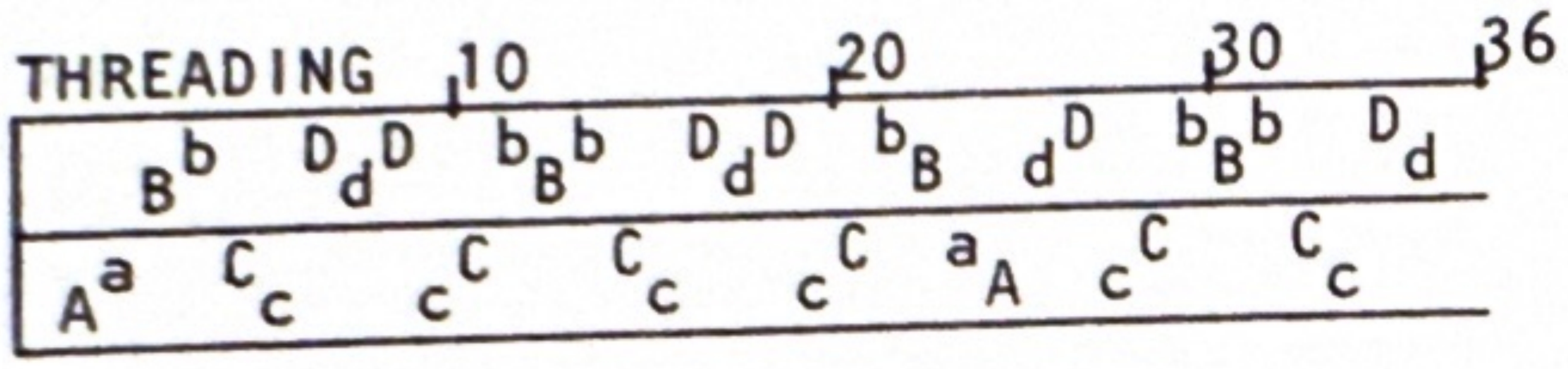
This is a rather plain series, and is thus suitable for unusual or luxuriant materials in warp and weft,

Combinations of silk in closely related colors should work well.

4-3 SHADOW WEAVE. Development of Rambler Rose. 36 nds.

PROFILE

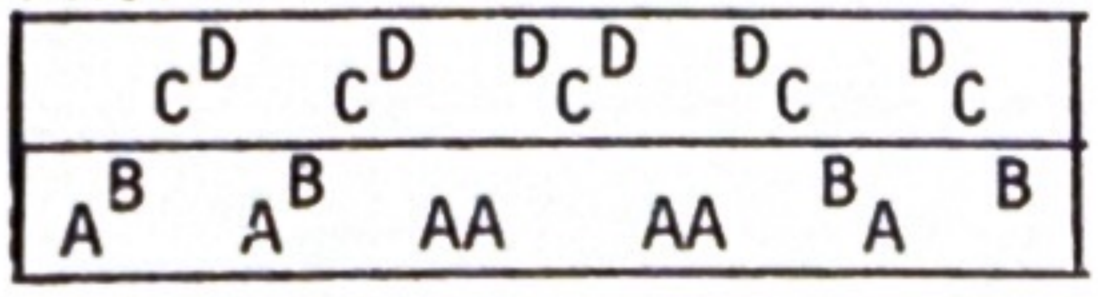


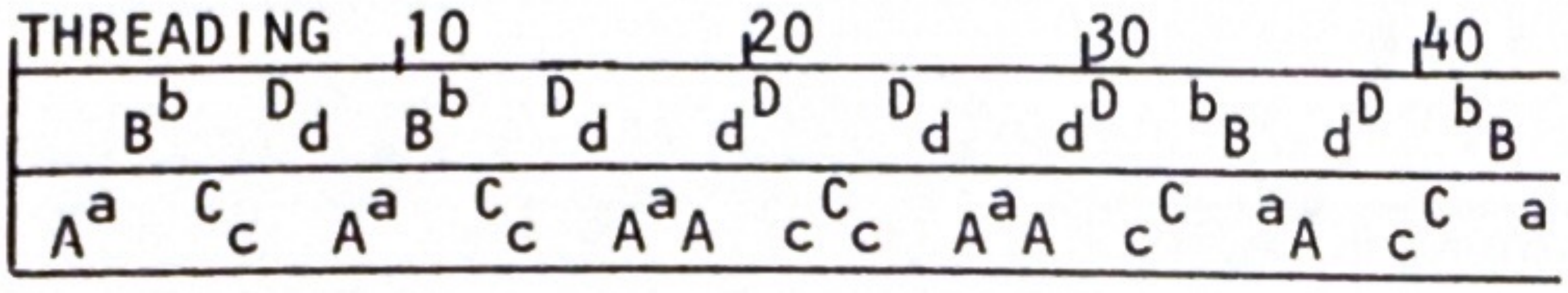

THREADING 10 20 30 36
B b D d D b B b D d D b B d D b B b D d
A a C c c C C c c C a A c C C c

TREADLE NUMBERS. Dark underlined.	UNIT and/or BLOCK designations.
1. Tromp as writ.	ABC DD CBC DD CBA DCBCD
2. 1234 2143	AB CD
3. 123421 434 1243 2	ABC DD CB
4. 12342143 123421 434 124321 341243 2	ABCD ABC DD CBA DCB
5. 123421 434 1243421 434 12432	ABC DD CBC DD CB
6. 123421 434 1243421 434 124321 34124321 4312134 12342143	ABC DD CBC DD CBA DCBA BCB ABCD
7. 12342143 123421 434 1243212 3421 434 124321 341243 2	ABCD ABC DD CBA BC DD CBA DCB
8. 12342143 12342143 123421 434 124321 34124321 341243 2	ABCD ABCD ABC DD CBA DCBA DCBA
9. 12x2 34x2 21x2 434 12x2 43x2 21x2 34343	AA BB CC DD CC BB AA DD
10. 12x2 34x2 21x2 43x2 12x2 343 21x2 34x2 12x2 43x2 2	AA BB CC DD AA BB AA DD CC BB
11. 1234 21x2 43x2 12121 34x2 12x2 4321 343	AB CC DD AAA DD CC BA D
12. 12342143 1234321 34343 12342143 121 34124321 34343 1234321 341243 2	ABCD ABBA DD ABCD ABCD ABBA DD ABCD
13. 12342143 12342143 121 34 121 43 121 34124321 341243 2	ABCD ABCD AA D C D AA DCBA DCB
14. 12342143 12x2 34x2 21x2 434 12x2 43x2 21x2 341243 2	ABCD AA BB CC DD CC BB AA DCB

4-4 SHADOW WEAVE. Extended point twill development. 44 nds.

PROFILE





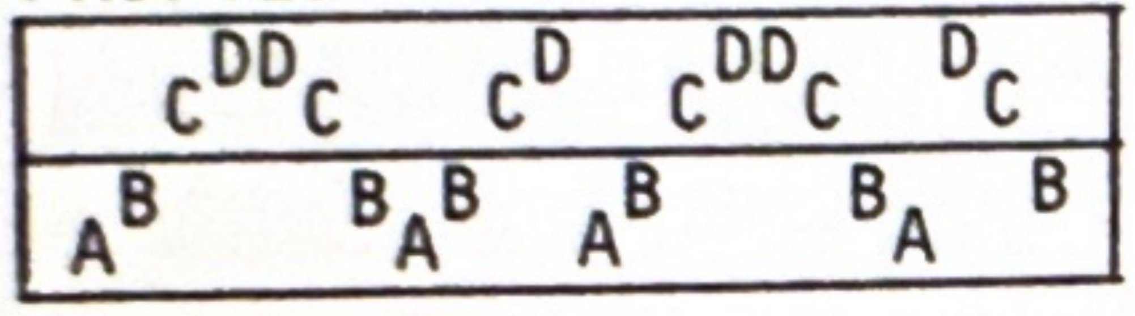
TREADLE NUMBERS. Dark underlined.	UNIT and/or BLOCK designations.
1. Tromp as writ.	ABCD ABCD AA DCD AA DCBA DCB
2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$	ABC D CB
4. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABC DD CBA DCB
5. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABC DD CBA BC DD CBA DCB
6. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABCD ABC DD CBA DCBA DCB
7. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD ABC DD CBA DCBA DCB A BCD ABCD
8. $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}3$	AA BB CC DD AA BB AA DD CC BB AA D
9. $\underline{1}2\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$ 2	AB CC DD AAA DD CC B
10. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}$ $3\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD A BB A DD ABCD AA DCBA D A BB A DCB

Do try some of your own treadlings on this gamp. Or, use treadlings from other threadings.

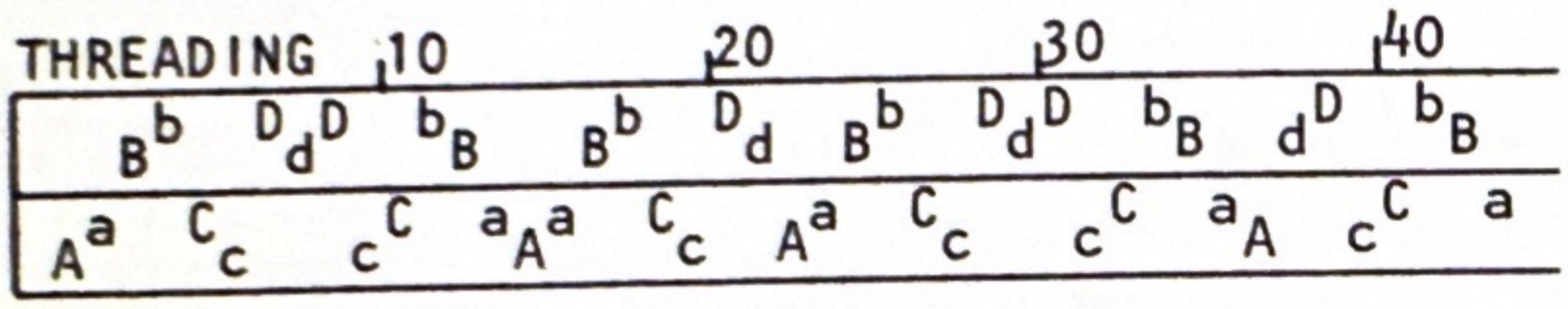
The rotation weaves will produce good stripes. To add sparkle to your fabric when doing rhe rotations you may either use different dark colors or different light colors-- or both.

4-5 SHADOW WEAVE. Extended point twill development 44 nds.

PROFILE



THREADING


10
20
30
40
B b D d D b B B b D d B b D d D b B d D b B
A a C c c C a A a C c A a C c c C a A c C a

TREADLE NUMBERS. Dark underlined. UNIT and/or BLOCK designations.

1.	Tromp as writ.	ABC DD CBA BCD ABC DD CBA DCB
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$	ABC D CB
4.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B
5.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$	ABC DD CBA CDA BB ADC
6.	$\underline{1}2$ $\underline{3}4$x2 $\underline{2}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$ $1\underline{2}$ $4\underline{3}$x2 $2\underline{1}2$ $\underline{3}4$x2 $\underline{2}1$	A BB CC BB A C BB A BB C
7.	$\underline{1}2$x2 $\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x3 $\underline{1}2\underline{1}$ $3\underline{4}$x3 $1\underline{2}$x2 $4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$x3 $1\underline{2}1$ $\underline{4}3$x3	AA B CC DDD AA DDD CC B AA DDD C DDD
8.	$\underline{1}2\underline{1}$ $3\underline{4}3$	AA D--Rotation
9.	$\underline{1}2\underline{1}$ $4\underline{3}4$	AA B--Rotation
10.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}$ $1\underline{2}1$ $\underline{4}3$	ABCD AA DCBA DCD
11.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ 2 $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABC DD CBA BCD A BB A DCB
12.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}$ $1\underline{2}1$ $\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD ABCD AA D C D AA DCBA DCB

This threading is a four shaft version os 8-4, and interesting in comparison.

4-6 SHADOW WEAVE. Gothic Cross development. 54 nds.

PROFILE

C^D D C^D D_C D D_C

A^B $A^{BB}A$ A^B AA ${}^BA$ $A^{BB}A$ ^{B}

THREADING 10 20 30 40 50

B^b ${}^Dd$ B^bB d^Dd B^b ${}^Dd$ d^D ${}^bB$ d^Dd B^bB d^D ${}^bB$

A^a ${}^Cc$ A^a ${}^aA$ A^a ${}^Cc$ A^aA c^C ${}^aA$ A^a ${}^aA$ c^C ^{a}

TREADLE NUMBERS. Dark underlined. UNIT and/or BLOCK designations.

1. Tromp as writ.
ABCD ABBA D ABCD
AA DCBA D ABBA DCB

2. $\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$
AB CD

3. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2
ABC DD CB

4. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2
ABCD ABC DD CBA DCB

5. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$
$\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2
ABCD ABC DD CBA
BC DD CBA DCB

6. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$
$3\underline{4}1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3$
ABCD ABC DD CBA DCBA
DCB A BCD ABCD

7. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$
ABC DD CBA D

8. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $\underline{2}1$
$3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}4$ $\underline{2}1\underline{4}3$
ABCD ABBA
DCBA DC B CD

9. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$
$\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$
ABCD ABC DD CBA DCBA
CDAB CDA BB ADC BADC

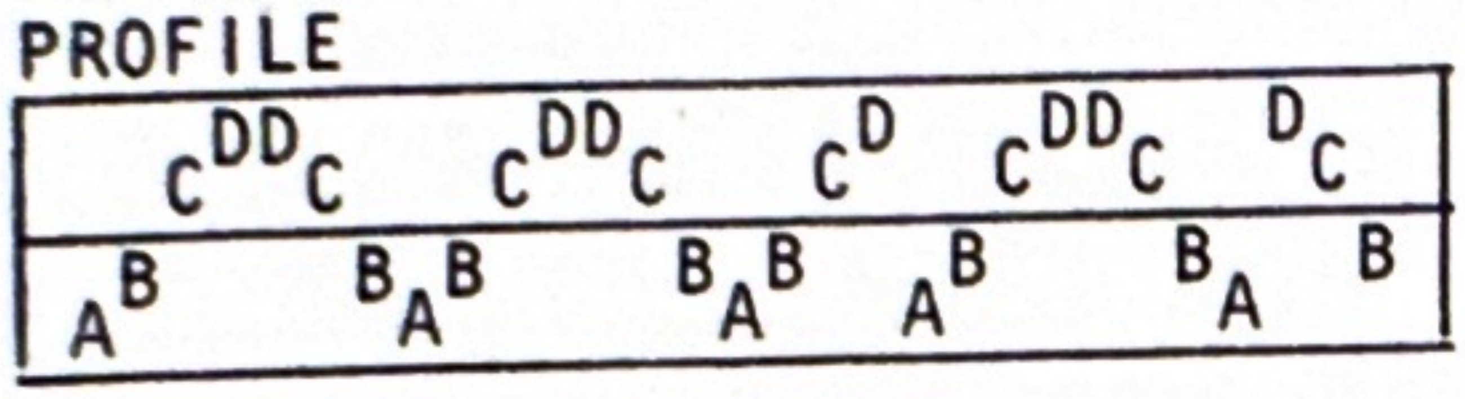
10. SWITCH Interlacement.
$1\underline{2}3\underline{4}3\underline{2}$

11. $\underline{1}2\underline{1}2$ $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}2\underline{1}$ $\underline{1}2\underline{1}2$ $4\underline{3}4\underline{3}4$ $\underline{2}1\underline{2}1$
AA BBB AA CC BB CC

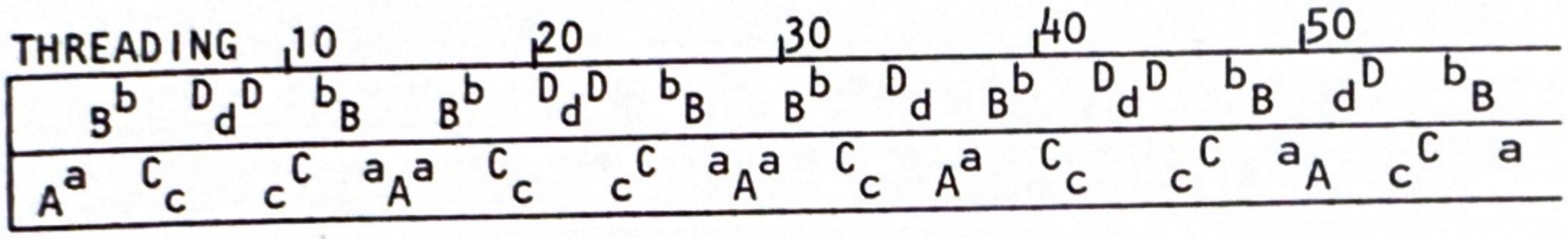
12. $\underline{1}2\times2$ $\underline{3}4$ $\underline{2}1\times2$ $\underline{4}3\times3$ $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}\times2$ $1\underline{2}\times2$
$4\underline{3}$ $2\underline{1}\times2$ $3\underline{4}\times3$ $1\underline{2}1\underline{2}1$ $\underline{4}3\times3$
AA B CC DDD AAA DDD CC
B AA DDD CC DDD

4-7 SHADOW WEAVE. Extended point twill development. 58 nds.

PROFILE



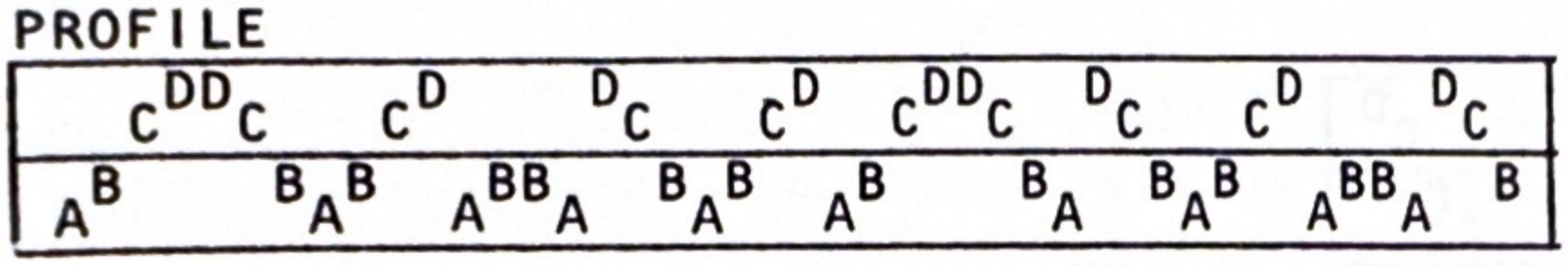
THREADING


10
20
30
40
50
B b D d D b B B b D d D b B B b D d B b D d D b B d D b B
A a C c c C a A a C c c C a A a C c A a C c c C a A c C a

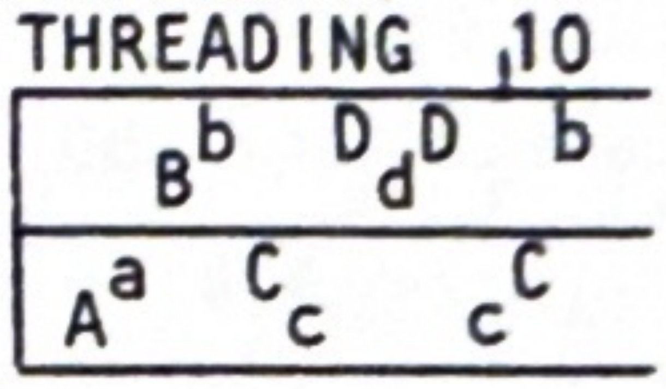
	TREADLE NUMBERS. Dark underlined.	UNIT and/or BLOCK designations.
1.	Tromp as writ.	ABC DD CB A BC DD CB A BCD ABC DD CBA DCB
2.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$	AB CD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$	ABC DD CBA BCD ABC DD CBA DCB
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD ABC DD CBA DCB
6.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}$ 2	ABCD ABCD ABC DD CBA DCBA DCB
7.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC D
8.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}$ $1\underline{2}1$ $\underline{4}3$	ABCD AA DCBA DCD
9.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$	ABC DD CBA CDA BB ADC
10.	$\underline{1}2$x2 $\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}$ 2	AA B CC B
11.	$\underline{1}2$x2 $\underline{3}4$ $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$ $2\underline{1}$x2 $3\underline{4}3\underline{4}3$	AA B CC DDD CC B AA DD
12.	$\underline{1}2$ $\underline{3}4\underline{3}$ 2	A BB-- Rotation

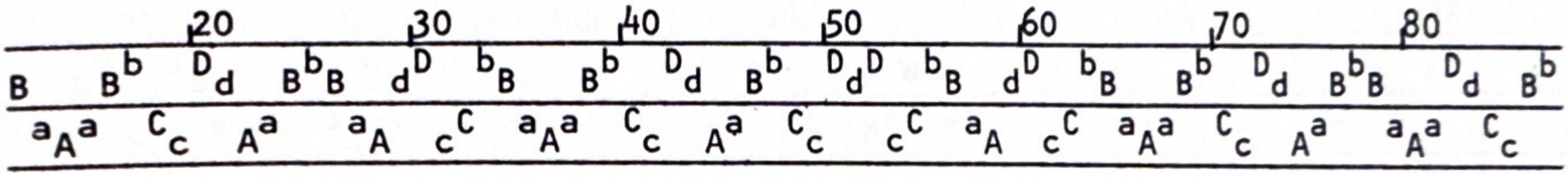
4-8 SHADOW WEAVE. Extended point twill development. 88 nds.

PROFILE


C DD C C D D C C D C DD C D C C D D C
A B B A B A BB A B A B A B B A B A B A BB A B

THREADING




20
30
40
50
60
70
80
B B b D d B b B d D b B B b D d B b D d D b B d D b B B b D d B b B D d B b
a A a C c A a a A c C a A a C c A a C c c C a A c C a A a C c A a a A a C c

TREADLE NUMBERS. Dark underlined. UNIT and/or BLOCK designations.

1. Tromp as writ.
AB CDDC BAB CD ABBA DC BAB CD
AB CDDC BA DC BAB CD ABBA DCB

2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$
ABCD

3. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$
ABC DD CBA

4. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}$
$3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}4$ $\underline{2}1\underline{4}3$
ABCD A BB A
DCBA DC B CD

5. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$
$\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$
ABCD ABC DD CBA DCBA
CDAB CDA BB ADC BADC

6. $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$
$\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$
DD CB A BC DD
BB AD C DA BB

7. $\underline{1}2\underline{3}4\underline{3}2$
ABB --Rotation

8. $\underline{4}3\underline{2}1\underline{2}3$
DCC --Rotation

9. $\underline{1}2\underline{3}4$ $\underline{2}1$×2 $\underline{4}3$×2 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$×2 $1\underline{2}$×2 $4\underline{3}2$
AB CC DD AAA DD CC B

10. $\underline{1}2$×2 $\underline{3}4$ $\underline{2}1$×2 $\underline{4}3$×3 $\underline{1}2\underline{1}$ $3\underline{4}$×3 $1\underline{2}$×2
$4\underline{3}$ $2\underline{1}$×2 $3\underline{4}$×3 $1\underline{2}1\underline{2}1$ $\underline{4}3$×2
AA B CC DDD AA DDD CC
B AA DDD CC DDD

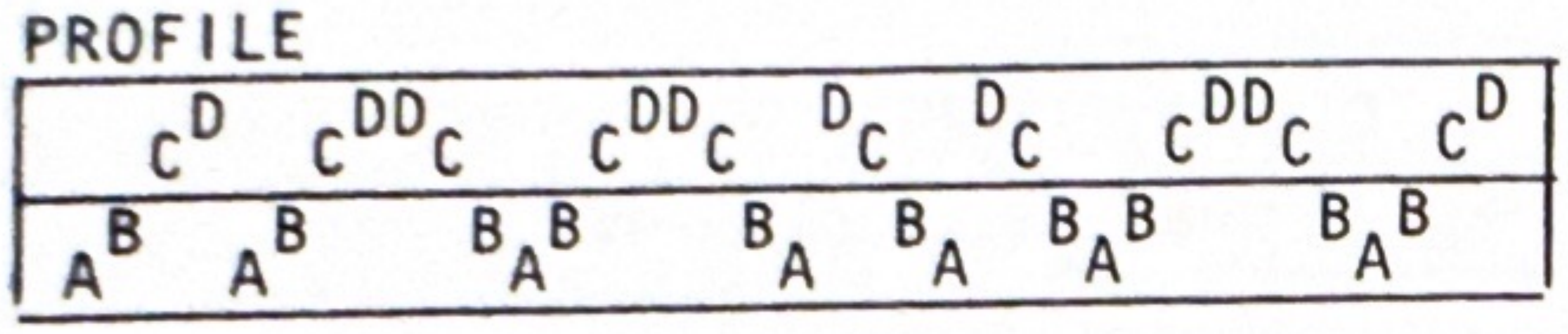
11. SWITCH interlacement.
121 343 212 434 121 434 212 343

12. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$
$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$
ABC D CB A BCD
ABC D CBA DCB

This threading is a four shaft version of 8-7.

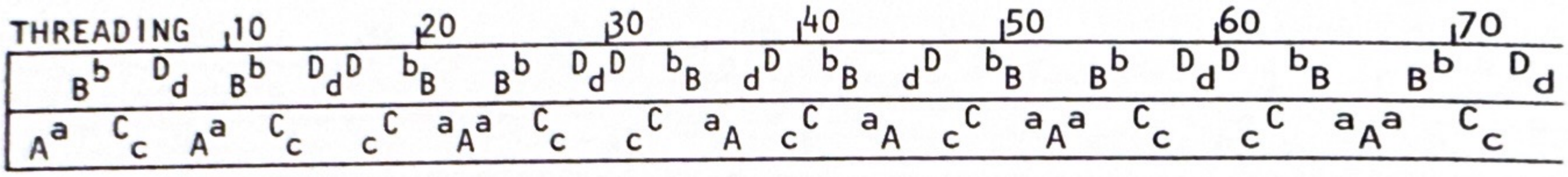
4-9 SHADOW WEAVE. Extended point twill development. 74 nds.

PROFILE



C D C DD C C DD C D C D C C DD C C D
A B A B B A B B A B A B A B B A B

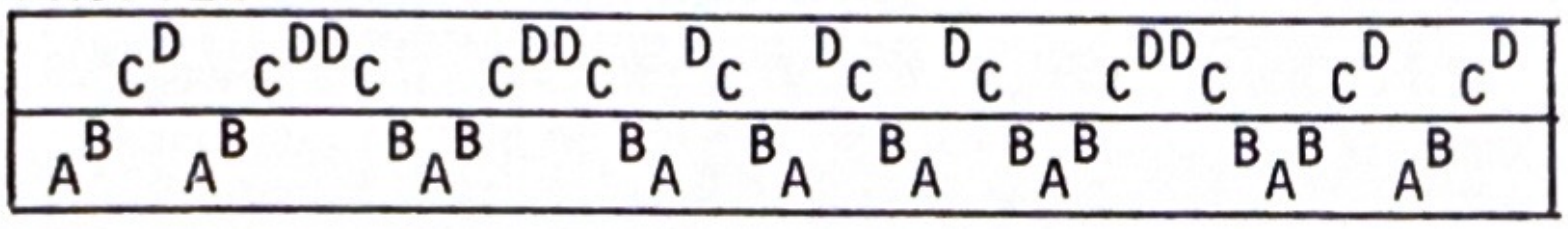
THREADING



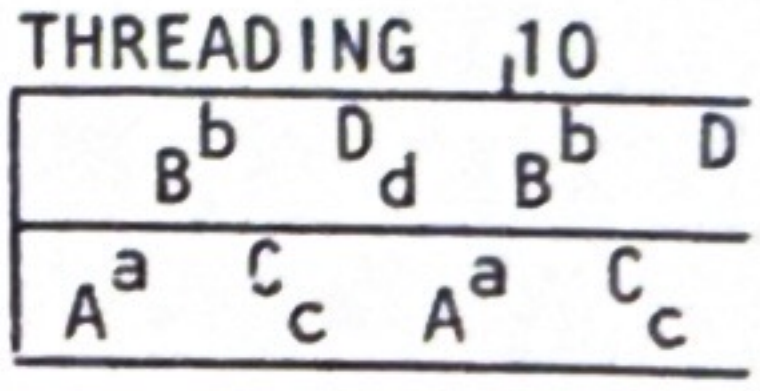
TREADLE NUMBERS. Dark underlined.	UNIT and/or BLOCK designations.
1. Tromp as writ	ABCD AB CDDC BAB CDDC BA DCBA DC BAB CDDC BAB CD
2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$	ABC DD CB
4. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABC DD CBA DCB
5. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD AA DCB
6. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABC DD CBABC DD CBA DCB
7. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABCD AA DCBA D
8. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABCD ABC DD CBA DCBA DCB
9. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}32$	ABCD ABC DD CBA DCBA DCBA DCB A BCDA BCD
10. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}4\underline{3}2$	ABCD A BB A DCB
11. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$	ABC DD CBA DCD
12. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABBA D ABCD AA DCBA D ABBA DCB
13. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABCD AA DCD ABC DD CBA DCD A DCBA DCB

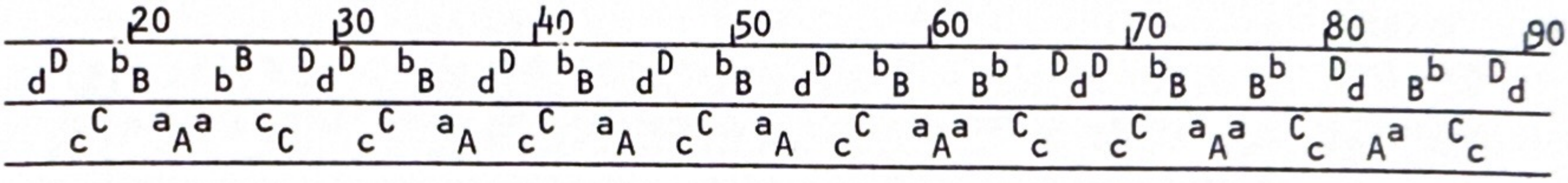
4-10 SHADOW WEAVE. Extended point twill development. 90 nts.

PROFILE


C D C DD C C DD C D C D C D C C DD C C D C D
A B A B B A B B A B A B A B A B B A B A B

THREADING


10
B b D d B b D
A a C c A a C c


20
30
40
50
60
70
80
90
d D b B b B D d D b B d D b B d D b B d D b B B b D d D b B B b D d B b D d
c C a A a c C c C a A c C a A c C a A c C a A a C c c C a A a C c A a C c

TREADLE NUMBERS. Dark underlined.

UNIT-BLOCK designations.

1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 12432	ABC DD CBA
4.	12342143 123421 434 124321 3412432	ABCD ABC DD CBA DCB
5.	12342143 1234321 3412432	ABCD ABBA DCB
6.	12342143 12342143 1234321 34124321 3412432	ABCD ABCD ABBA DCBA DCB
7.	12342143 1234 2143412 432 1234 2143412 4321 3412432	ABCD AB CDDC B AB CDDC BA DCB
8.	12342143 123421 434 124321 34124321 341243 212 34214341243 212 342143 12342143	ABCD ABC DD CBA DCBA DCB A BCDDCB A BCD ABCD
9.	12342143 121 34124321 3412143	ABCD AA DCBA DCD
10.	12342143 1234321 34124321 3412 434 2143	ABCD ABBA DCBA DC B CD
11.	123421 43412 4321234 2143 1234321 3412432	ABC DDC BAB CD ABBA DCB
12.	12342143 1234321 34124321 343	ABCD ABBA DCBA D
13.	12342143 1234 212 4321 34124321 3412432	ABCD ABCCBA DCBA DCB
14.	12342143 12342143 1234321 34124321 34124321 3412 434 2143	ABCD ABCCBA DCBA DCBCD

4-10 SHADOW WEAVE-continued.

15.	12342143 12342143 12342143 41243 212 342143 4124321 34124321 34124321 3412 434 2143	ABCD ABCD ABCD DCB A BCD DCBA DCBA DCBA DC B CD
16.	12342143 12342143 12342143 1234321 34124321 34124321 34124321 3412 434 2143	ABCD ABCD ABCD ABBA DCBA DCBA DCBA DC B CD
17.	34124321 341243212 3421 434 1243 212 342143 12342143 12342143 123421 434 1243212 3421434 124321 34124321	DCBA DCBA BC DD CB A BCD ABCD ABCD ABC DD CBA BCDD CBA DCBA
18.	123421434 1243421 434124321 3412 434 2143	ABCDD CBC DDCBA DC B CD
19.	12342143 12342143 121 34 121 43 121 34124321 3412432	ABCD ABCD AA D C D AA DCBA DCB
20.	12342143 1234321 343 12342143 121 34124321 343 1234321 3412432	ABCD ABBA D ABCD AA DCBA D ABBA DCB
21.	123421 4341243 212 3421434 1243 212 342143 123421 434 124321 3412432	ABC DDCB A BCDD CB A BCD ABC DD CBA DCB
22.	123421 434 1243 212 342143 1234321 341243 212 342143 123421 434 124321 341243 212 342143 1234321 3412432	ABC DD CB A BCD ABBA DCB A BCD ABC DD CBA DCB A BCD ABBA DCB
23.	123421 434 124321 2342143 123421 434 124321 34124321 341243 212 3421 434 1243 212 342143 12342143 123421 434 124321 3412432	ABC DD CBA DCB ABC DD CBA DCBA DCB A BC DD CB A BCD ABCD ABC DD CBA DCB
24.	1234 212 432	AB CC B
25.	3412 434 214	DC B CD
26.	123421 434 124321 214312 343 213412	ABC DD CBA CDA BB ADC
27.	4341243 212 3421434 3432134 121 4312343	DDCB A BCDD BBAD C DABB
28.	341243 212 342143 432134 121 43123	DCB A BCD BAD C DAB

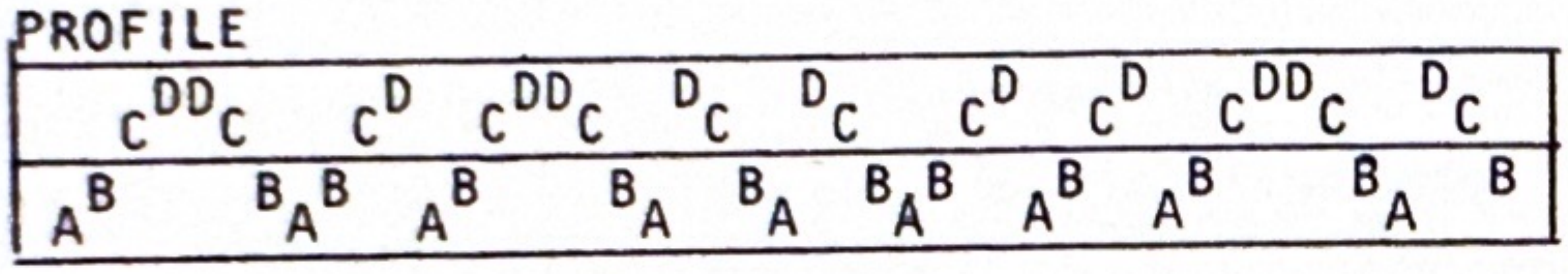
29.	12342143 121 34124321 21431234 212 43213412	ABCD AA DCBA DCBA CC BADC
30.	12342143 123421 434 124321 34124321 21431234 214312 343 213412 43213412	ABCD ABC DD CBA DCBA CDAB CDA BB ADC BADC
31.	1234 21x2 43x2 12121 34x2 12x2 4321 2143 12x2 34x2 21212 43x2 21x2 3412	AB CC DD AAA DD CC BA CD AA BB CCC BB AA DC
32.	12 34x2 21x3 43x4	A BB CCC DDDD
33.	1234 21x2 43x2 12121 34x2 12x2 432	AB CC DD AAA DD CC B
34.	1234 21x2 43x2 12121 34x2 12x2 4321_ 34x2 12x2 43434 21x2 43x2	AB CC DD AAA DD CC BA DD CC BB CC DD
35.	12x2 34 21x2 43434 12x2 43 21x2 34343	AA B CC DDD CC B AA DD
36.	12x3 34x2 2143 121 3412 43x2 21x2 34343	AAA BB CD AA DC BBB AAA DD

Thirty six treadlings are pictured. These are just a start on the interesting variations possible.

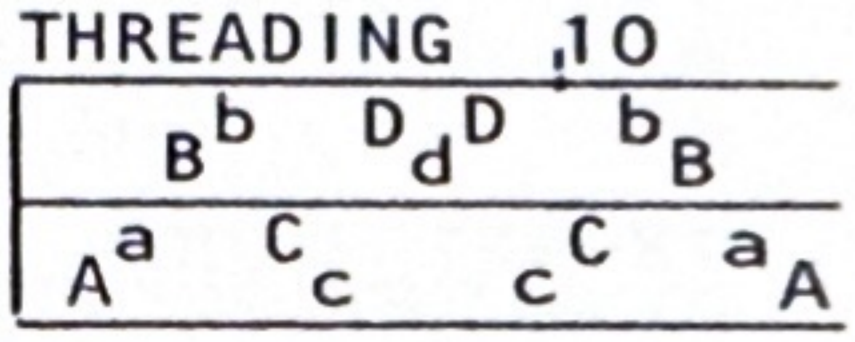
This threading is a four shaft version of 8-8.

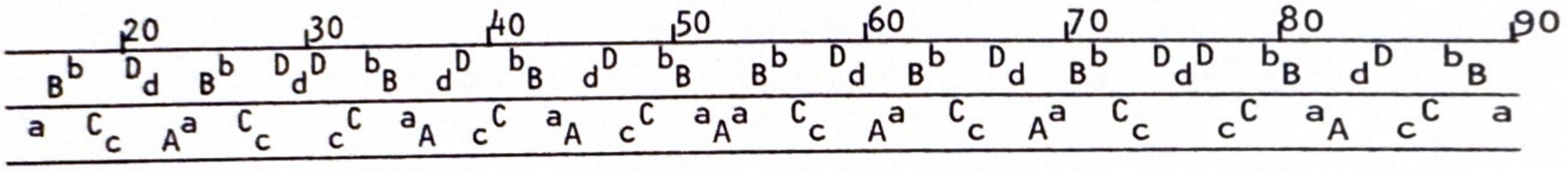
4-11 SHADOW WEAVE. Extended point twill development. 90 nds.

PROFILE



THREADING



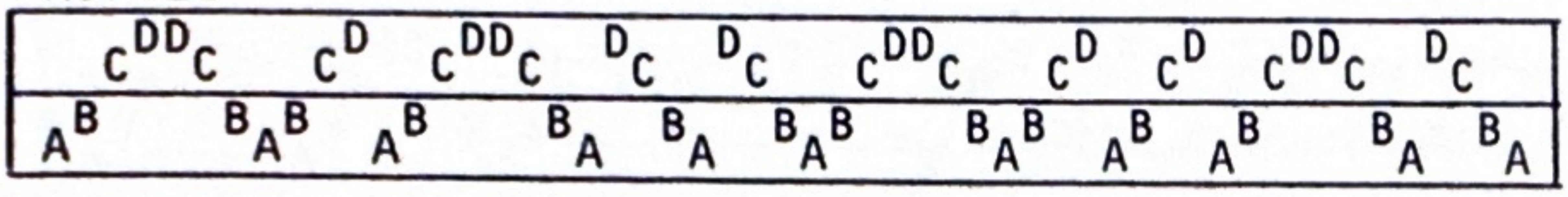


TREADLE NUMBERS. Dark underlined.		UNIT and/or BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 1243 2	ABC DD CB
4.	12342143 123421 434 124321 341243 2	ABCD ABC DD CBA DCB
5.	12342143 1234321 34124321 3412 434 2143	ABCD ABBA DCBA DC B CD
6.	12x2 34343 21x2 12x2 43434 21x2	AA BB AA CC BB CC
7.	12x2 34 21x2 43434 12x2 43 21x2 34343	AA B CC DDD CC B AA DD
8.	12342143 123421 434 1243 212 3421 434 124321 34124321 34124321 341243 212 3421 434 1243 212 342143 12342143	ABCD ABC DD CB A BC DD CBA DCBA DCBA DCB A BC DD CB A BCD ABCD
9.	123432	ABB--Rotation
10.	434 1243 212 3421 434 343 21 34124321 3412143 12342143 12343	DD CB A BC DD BB A DCBA DCD ABCD ABB
11.	434 12 43 212 3421 434 124321 341243 212 342143 123421	DD CB A BC DD CBA DCB A BCD ABC

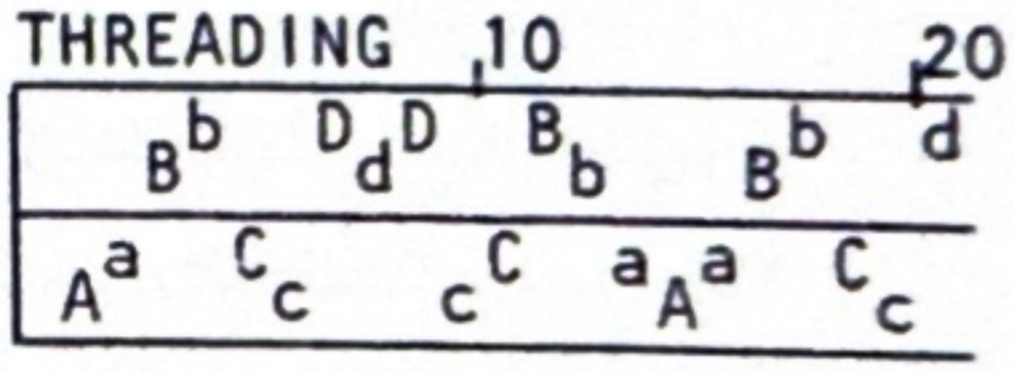
This threading is four shaft version of 8-10.

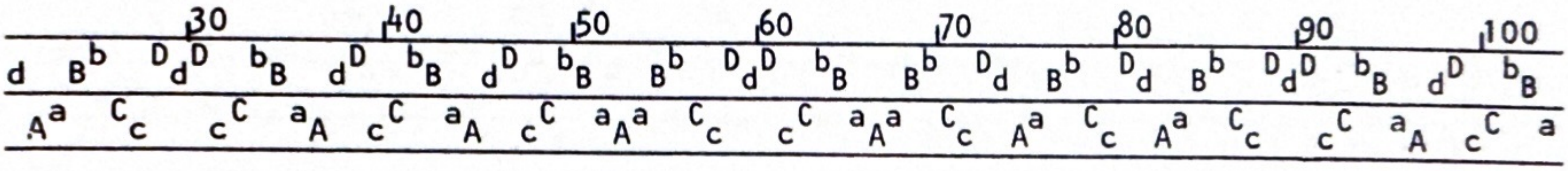
4-12 SHADOW WEAVE. Extended point twill development 104 nds.

PROFILE



THREADING



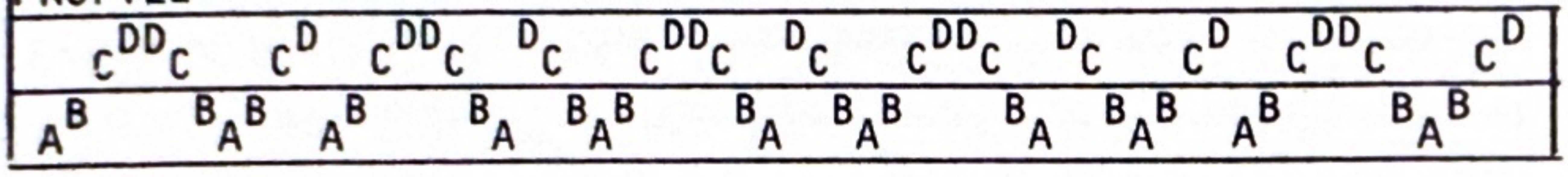


TREADLE NUMBERS		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 12432	ABC D CBA
4.	12342143 123421 434 124321 341243 2	ABCD ABC DD CBA DCB
5.	12x2 34x2 21x2 434 12x2 43x2 21x2 343	AA BB CC DD CC BB A D
6.	434 12 434 21	DD C B C Rotation
7.	1234 212 43 2	AB CC B Rotation
8.	1234 212 4321 1243 212 3421	AB CC BA C B A BC
9.	12x2 34 21x2 43434 12x2 43 21x2 34343	AA B CC DDD CC B AA DD
10.	123421 434 1243 212 342143 123421 434 124321 341243 2	ABC DD CB A BCD ABC DD CBA DCB
11.	12342143 12 343 21 343 12342143 121 34124321 343 1234321 341243 2	ABCD ABBA D ABCD AA DCBA D ABBA DCB

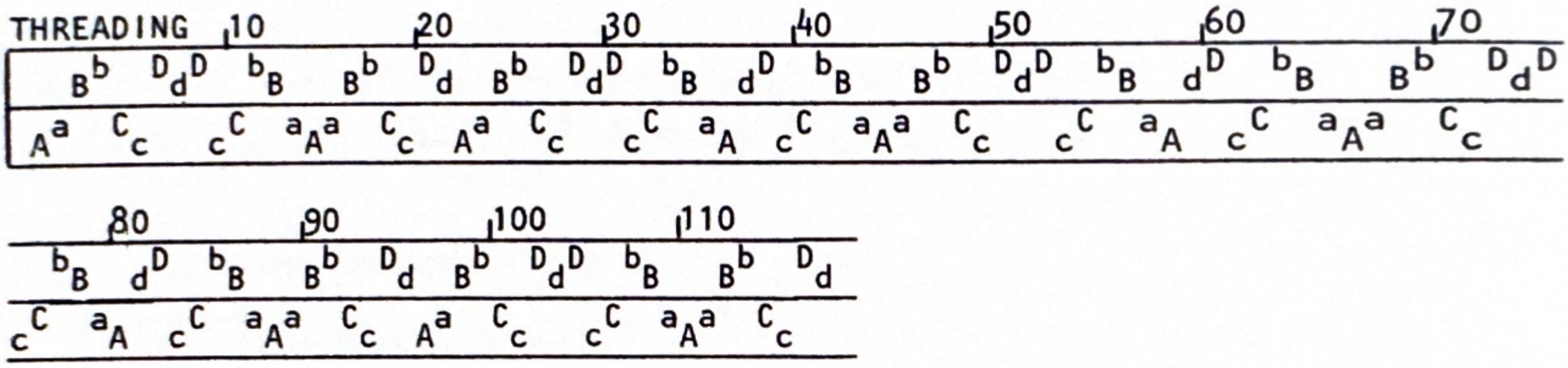
This threading is the four shaft version of 8-20.

4-13 SHADOW WEAVE. Extended point twill development. 118 nds.

PROFILE



THREADING



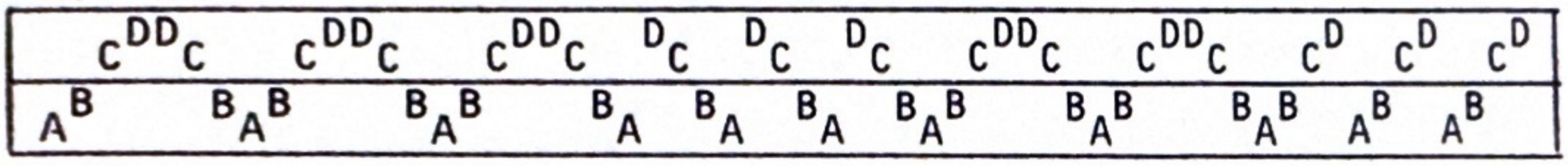
TREADLE NUMBERS		UNIT-BLOCK designations
1.	Tromp as writ.	Same as threading
2.	12342143	ABCD
3.	123421 434 1243 2	ABC DD CB
4.	12342143 123421 434 124321 341243 2	ABCD ABC DD CBA DCB
5.	1234 212 43 2	AB C B--Rotation
6.	12342143 121 34124321 34 121 43	ABCD AA DCBA D C D
7.	12342143 1234 212 4321 34124321 341243 212 342143	ABCD AB CC BA DCBA DCB A BCD
8.	12342143 12 343 21 343 12342143 121 34124321 343 12 343 21 341243 2	ABCD A BB A D ABCD AA DCBA D A BB A DCB
9.	123421 434 1243 212 342143 123421 434 124321 341243 2	ABC DD CB A BCD ABC DD CBA DCB
10.	12x2 34 21x2 43434 12x2 43 21x2 34343	AA B CC DDD CC B AA DD
11.	1234 21x2 43x2 12121 34x2 12x2 4321 34343	A B CC DDD AAA DD CC BA DD

This threading in the four shaft version of 8-10.

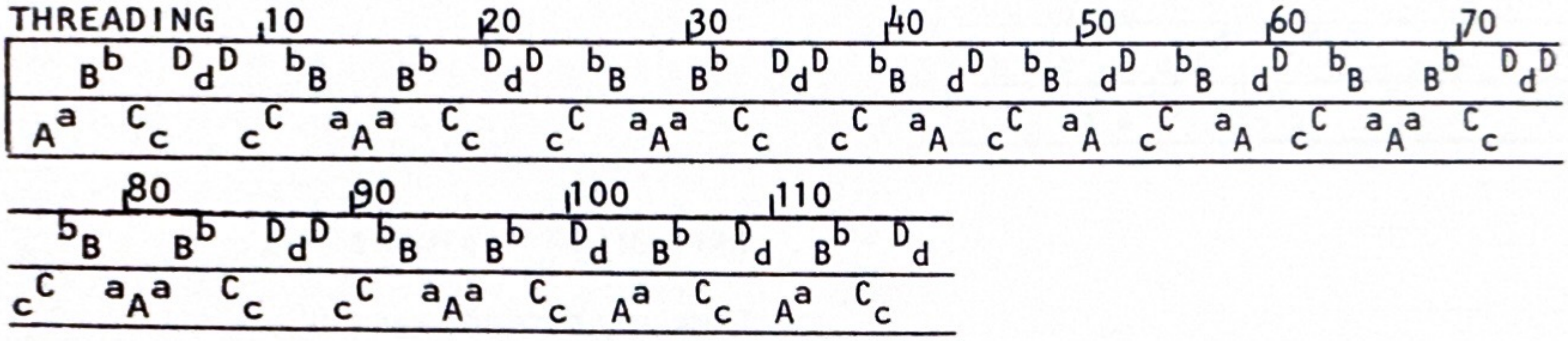
Treadling of 4-13-8 is threading of 4-6
Treadling of 4-13-9 is threading of 4-5

4-14 SHADOW WEAVE. Extended point twill development. 118 nds.

PROFILE



THREADING

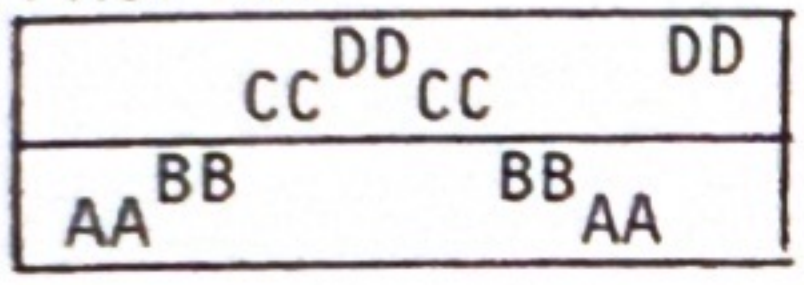


TREADLE NUMBERS.		UNIT-BLOCK designations
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CBA
4.	$1\underline{2}3\underline{4}2\underline{1}$ $4\underline{3}4$ $\underline{1}2\underline{4}3\underline{2}$	SWITCH Interlacement.
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD ABC DD CBA DCBA
6.	$\underline{1}2$ $\underline{3}4\underline{3}$ 2	A BB--Rotation.
7.	$\underline{1}2\times2$ $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}\times2$ $\underline{2}1\underline{2}$ $4\underline{3}4\underline{3}4$ $\underline{2}1\underline{2}$	AA BBB AA CC BB CC
8.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$	ABCD AA DCBA DCD
9.	$\underline{1}2\times2$ $\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}$ 2	AA B CC B
10.	$\underline{1}2\times2$ $\underline{3}4$ $\underline{2}1\times2$ $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\times2$ $4\underline{3}$ $2\underline{1}\times2$ $3\underline{4}3\underline{4}3$	AA B CC DDD CC B AA DD
11.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABC DD CB A BCD ABC DD CBA DCB

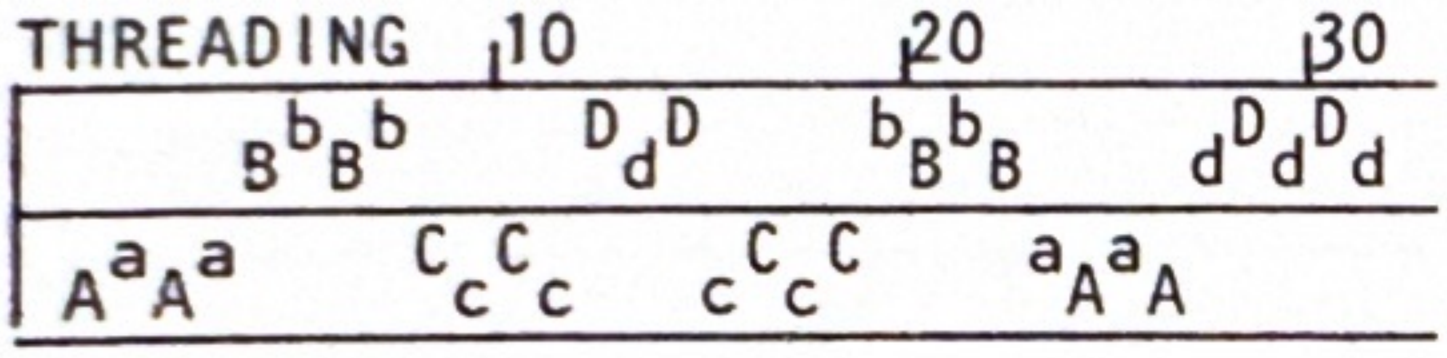
This threading similar to 8-11.

4-15 SHADOW WEAVE. Rosepath development in block form. 32 nds.

PROFILE



THREADING



TREADLE NUMBERS.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x2 34x2 21x2 43x2	AA BB CC DD
3.	12x2 34x2 21x2 434 12x2 43x2 2	AA BB CC DD CC BB
4.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2 21x2 34x2 12121 43x2	AA BB CC DD AA DD CC BB AA DD CC DD
5.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2 21x2 34x2 12x2 43434 21x2 43x2	AA BB CC DD AA DD CC BB AA DD CC BB CC DD
6.	21x2 43x2 121 34x2 12x2 43434	CC DD AA DD CC BB
7.	21x2 43x2 12x2 343 21x2 34x2 12x2 43434	CC DD AA BB AA DD CC BB
8.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2 21x2 34343	AA BB CC DD AA DD CC BB AA DD
9.	12x2 343 21x2 34x2 12121 43x2	AA BB AA DD CC DD
10.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2	AA BB CC DD AA DD CC BB
11.	12x2 34x2 21x3 43434 12x3 43x2 21x2 34x3 1212121 43x3	AA BB CCC DDD CCC BB AA DDD CCC DDD
12.	12x2 34x2 21x2 43x3 12121 34x3 12x2 43x2 2	AA BB CC DDD AAA DDD CC BB

4-16 SHADOW WEAVE. Undulating development. 26 nds.

PROFILE

$\mathrm{CC^{DDD}CC\quad {}^{DD}}$

$\mathrm{A^{B}\quad {}^{B}A}$

THREADING 10 20

$\mathrm{B^{b}\quad {}^{D}d^{D}d^{D}\quad {}^{b}B\quad d^{D}d^{D}d}$

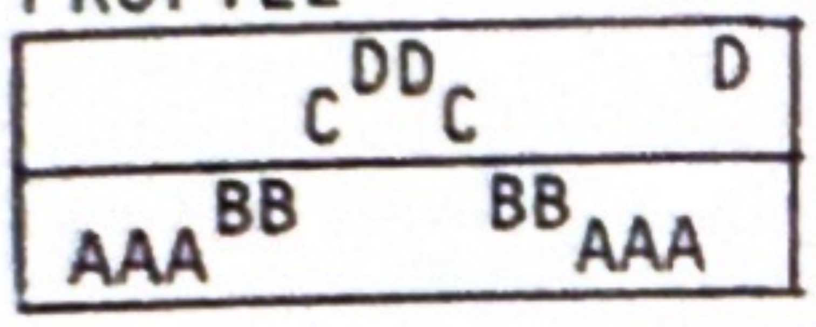
$\mathrm{A^{a}\quad {}^{C}c^{C}c\quad c^{C}c^{C}\quad {}^{a}A}$

TREADLE NUMBERS		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1\ \underline{4}3\underline{4}\ 1\underline{2}4\underline{3}\ 2$	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}\ 1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}1\underline{2}4\underline{3}\ 2$	ABCD ABC DD CBA DCB
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABCD ABBA DCBA DCB
6.	$\underline{1}2\underline{3}4\ \underline{2}1\underline{2}\ 4\underline{3}2$	AB CC B
7.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation.
8.	$\underline{1}2\underline{3}4\underline{2}1\ \underline{4}3\underline{4}\ 1\underline{2}4\underline{3}2\underline{1}\ 2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\ \underline{4}3\underline{4}\ 1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}1\underline{2}4\underline{3}\ 2$	ABC DD CBA BCD ABC DD CBA DCB
9.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}1\underline{2}1\underline{4}3$	ABCD ABBA DCBA DCD
10.	$\underline{1}2\times2\ \underline{3}4\ \underline{2}1\underline{2}\ 4\underline{3}\ 2$	AA B CC B
11.	$\underline{1}2\times2\ \underline{3}4\ \underline{2}1\times2\ \underline{4}3\times3\ \underline{1}2\underline{1}\ \underline{3}4\times3$ $1\underline{2}\times2\ 4\underline{3}\ 2\underline{1}\times1\ 3\underline{4}\times3\ 1\underline{2}1\underline{2}1\ \underline{4}3\times3$	AA B CC DDD AA DDD CC B AA DDD CC DDD

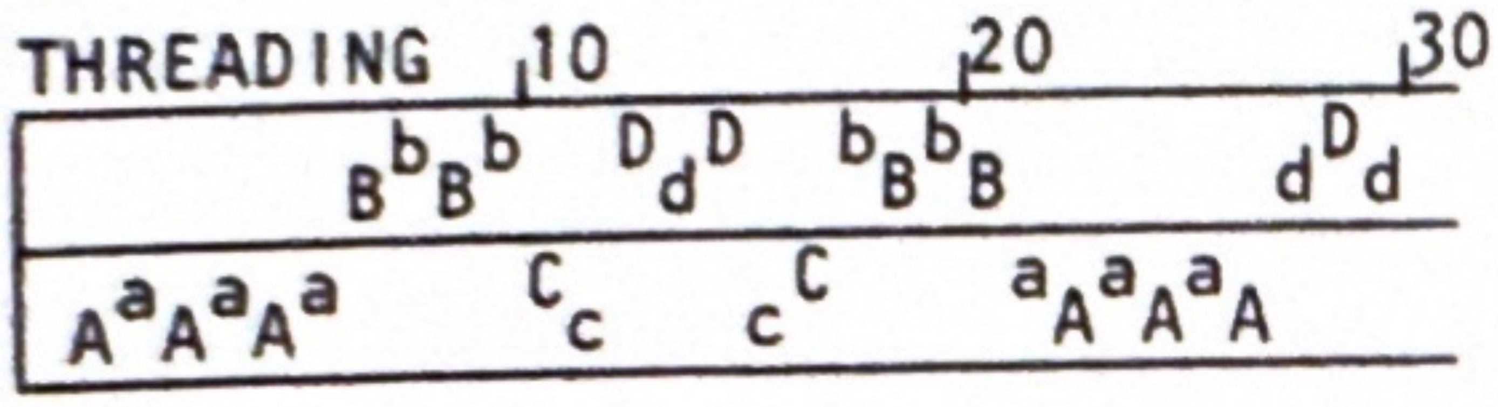
This threading is undulating form of threading 4-15, and four shaft version of six shaft #14.

4-17 SHADOW WEAVE. Undulating development. 30 nds.

PROFILE



THREADING

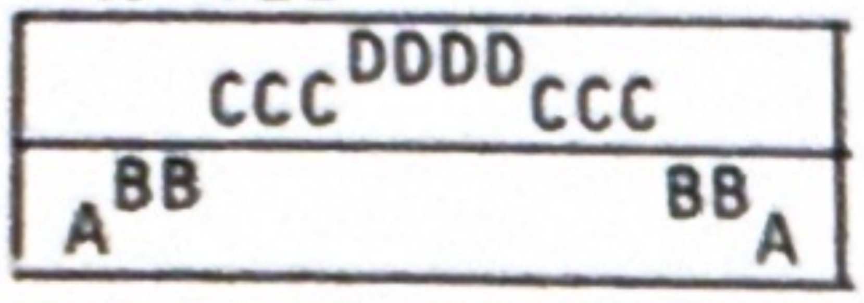


TREADLE NUMBERS		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 1243 2	ABC DD CB
4.	123421 434 124321 343	ABC DD CBA D
5.	123421 434 124321 3412143	ABC DD CBA DCD
6.	1234 2143412 4321234 2143412 4321234 2143412 4321234 2143412 4321 3412143	AB CDDC BAB CDDC BAB CDDC BAB CDDC BA DCD
7.	12342143 121 341243 2	ABCD AA DCB
8.	12342143 1234321 341243 2	ABCD ABBA DCB
9.	12342143 1234321 34124321 343	ABCD ABBA DCBA D
10	12342143 1234321 34124321 3412143	ABCD ABBA DCBA DCD
11.	12342143 12342143 1234321 34124321 34124321 3412143	ABCD ABCD ABBA DCBA DCBA DCD

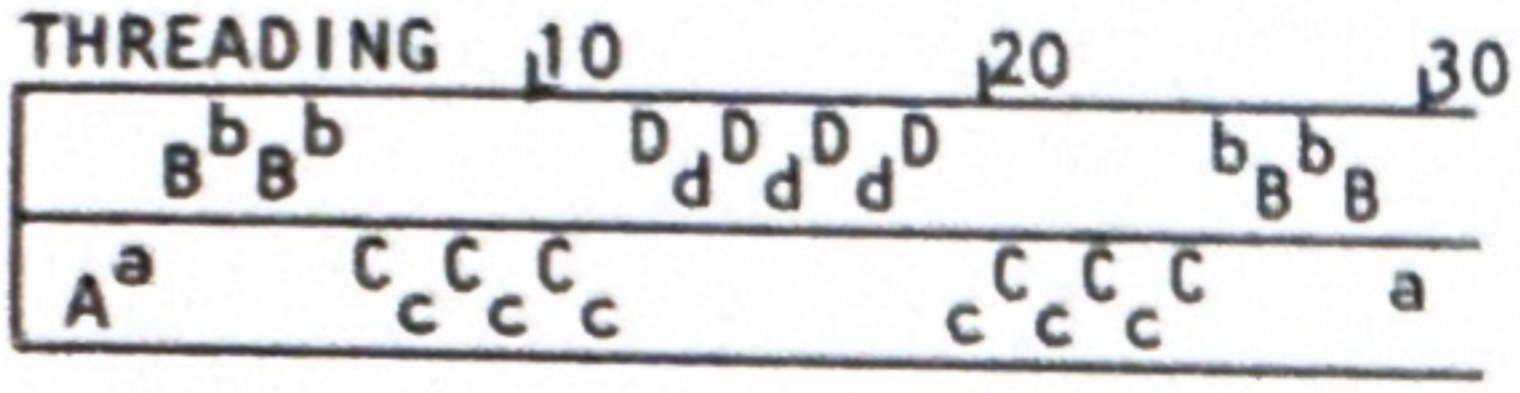
Another undulating form of 4-15

4-18 **SHADOW WEAVE.** Undulating development. 30 nds.

PROFILE

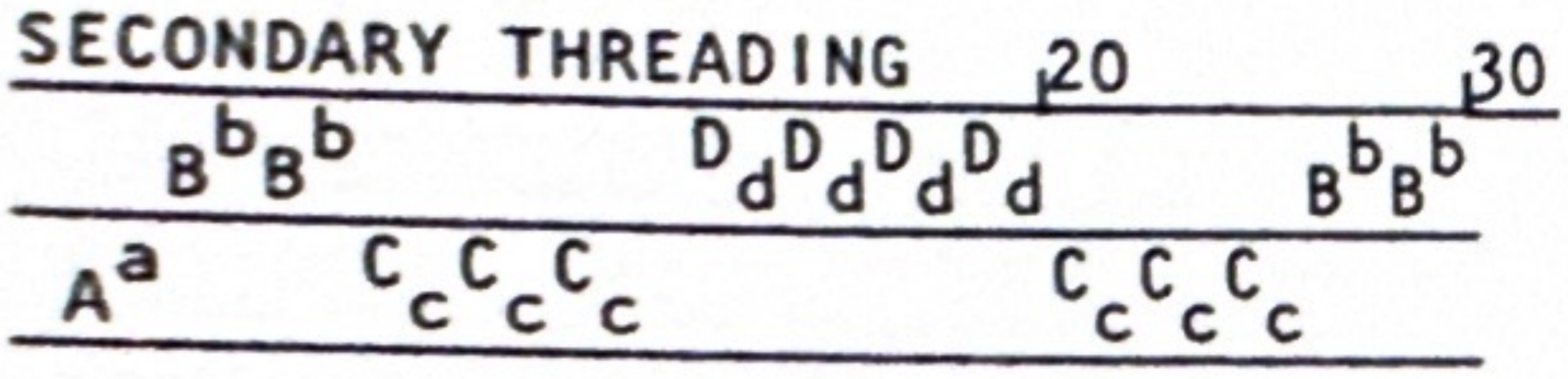


THREADING



	TREADLE NUMBERS	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABC DD CBA D
5.	$\underline{1}2$x4 $\underline{3}4$x3 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x3 2	AAAA BBB CC DD CC BBB
6.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}3$	AA BB CC DD CC BB AA DD
7.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}$ $4\underline{3}4$ $\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $4\underline{3}2\underline{1}$ $3\underline{4}3$ $\underline{1}2\underline{3}4$	ABC DD CB C DD CBA DCBCD
8.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}4\underline{3}4$ $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}4\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2	AA BB CC DD CC BB CC DD CC BB AA DD CC BB CC DD
9.	$\underline{1}2\underline{3}$ $\underline{2}1\underline{2}$ $4\underline{3}$ 2	AB CC B
10.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{2}$ $4\underline{3}$x2 2	AA BB CC BB
11.	$\underline{1}2$ $\underline{3}4\underline{3}$ 2	A BB

SECONDARY THREADING



Use unit-block designations as guide to adjust treadling.

4-19 SHADOW WEAVE. Undulating development. 36 nds.

PROFILE

$CCC^{DDDD}CCC \quad {}^{DD}$

$A^{BB} \quad {}^{BB}A$

THREADING 10 20 30

$B^{b}B^{b} \quad {}^{D}d^{D}d^{D}d^{D} \quad {}^{b}B^{b}B \quad d^{D}d^{D}d$

$A^{a} \quad {}^{C}c^{C}c^{C}c \quad c^{C}c^{C}c^{C} \quad {}^{a}A$

TREADLE NUMBERS.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{2}1$ $\underline{4}3$x2 $\underline{1}2$x3 $\underline{3}4\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x3 $3\underline{4}$x2 $1\underline{2}$ $4\underline{3}4\underline{3}4$	C D AAA BBBB AAA DD C BB
3.	$3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x3 $2\underline{1}2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4$x3 $\underline{2}1$x2 $\underline{4}3$ $\underline{1}2\underline{1}$	D CC BBB AAAA BBB CC D AA
4.	$1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x3 $3\underline{4}3\underline{4}3\underline{4}3\underline{4}3$ $\underline{1}2$x3 $\underline{3}4$x2 $\underline{2}1$ $\underline{4}3\underline{4}$	C BB AAA DDDD AAA BB C DD
5.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2	AA BB CC DD
6.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 2	AA BB CC DD CC BB
7.	$\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}4\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2	AA DD CC BB CC DD
8.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2	AA BB CC DD AA BB AA DD CC BB
9.	$\underline{1}2$x4 $\underline{3}4$x3 $\underline{2}1$x2 $\underline{4}3$ $\underline{1}2$x2 $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x3 2	AAAA BBB CC D AA BBB AA D CC BBB
10.	12x2 34x2 21x2 434 12x2 43x2 21x2 $3\underline{4}$x2 $1\underline{2}1\underline{2}1$ $\underline{4}3$x2	AA BB CC DD CC BB AA DD CC DD
11.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 2	AA BB CC DD AA DD CC BB
12.	$\underline{1}2$x2 $\underline{3}4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}1\underline{2}1$ $\underline{4}3$x2	AA BB AA DD CC DD

SECONDARY THREADING 20 30

$B^{b}B^{b} \quad {}^{D}d^{D}d^{D}d^{D}d \quad B^{b}B^{b} \quad {}^{D}d^{D}d$

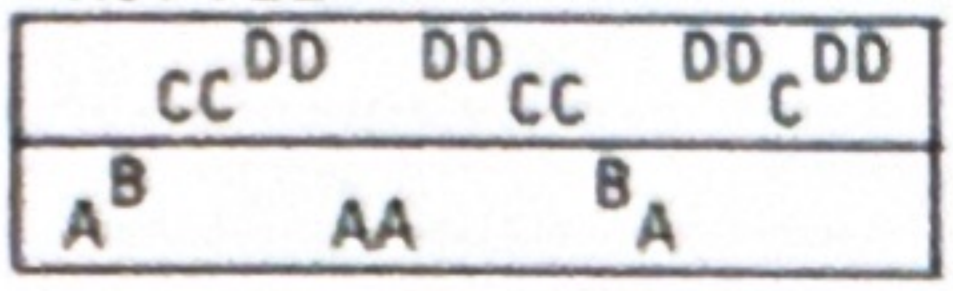
$A^{a} \quad {}^{C}c^{C}c^{C}c \quad {}^{C}c^{C}c^{C}c \quad A^{a}$

Use unit-block designations as guide to adjust treadling.

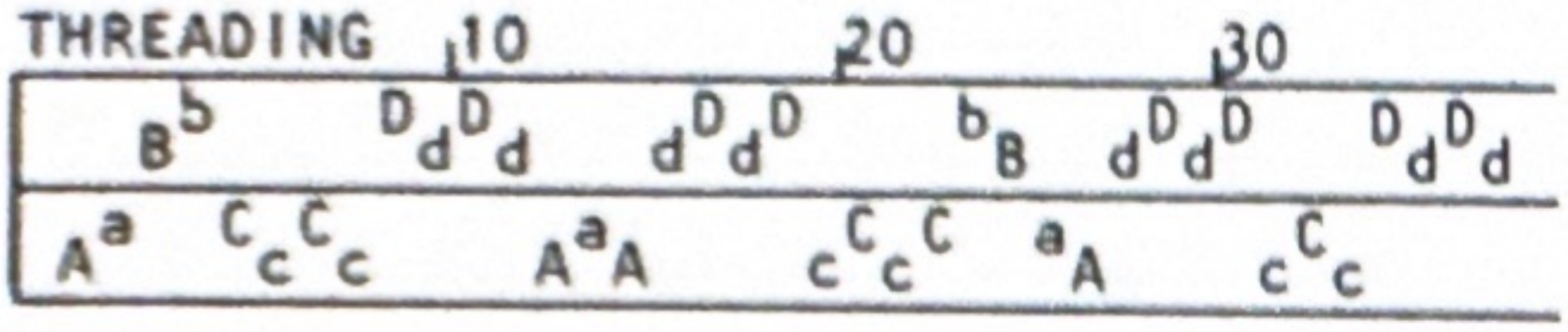
4-20 SHADOW WEAVE. Undulating development.

38 nds.

PROFILE

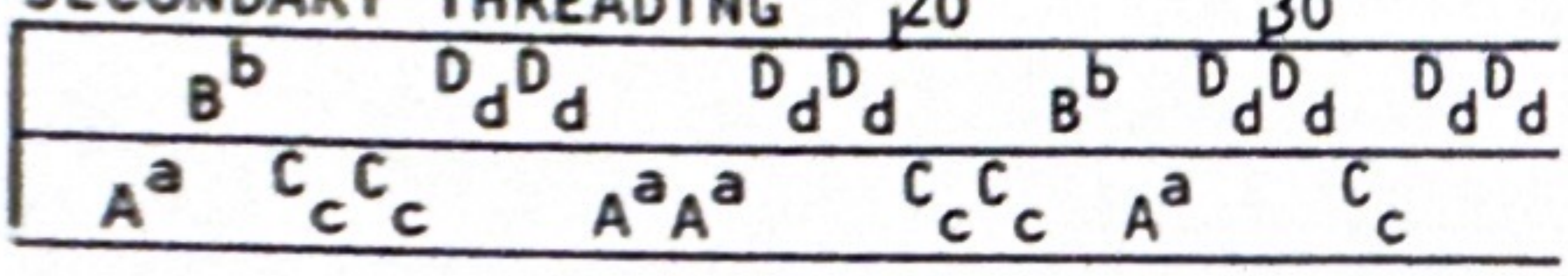


THREADING


10
20
30
B b D d D d d D d D b B d D d D D d D d
A a C c C c A a A c C c C a A c C c

Treadle numbers-Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABC DD CBA D
5.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2	AA BB CC DD AA DD CC BB AA DD CC B CC DD
6.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}1$ $\underline{4}3$x2	AA BB CC DD AA BB AA DD CC BB AA DD CC DD
7.	$\underline{1}2$ $\underline{3}4$x2 $\underline{2}1\underline{2}$ $4\underline{3}$x2 2	A BB CC BB
8.	$\underline{1}2$x2 $\underline{3}4\underline{2}1\underline{2}4\underline{3}$ 2	AA BCCB
9.	$\underline{1}2\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3$ $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}1\underline{2}$	AB CC DD AA DD CC BA CD AA BB CC BB AA DC
10.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2\underline{1}2\underline{1}4\underline{3}$	ABCD AA DCBA CDAB CC BADC
11.	$3\underline{4}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}3$ $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{4}3$ $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x2	DC BB AA D AA BB CD AA BB CC BB AA

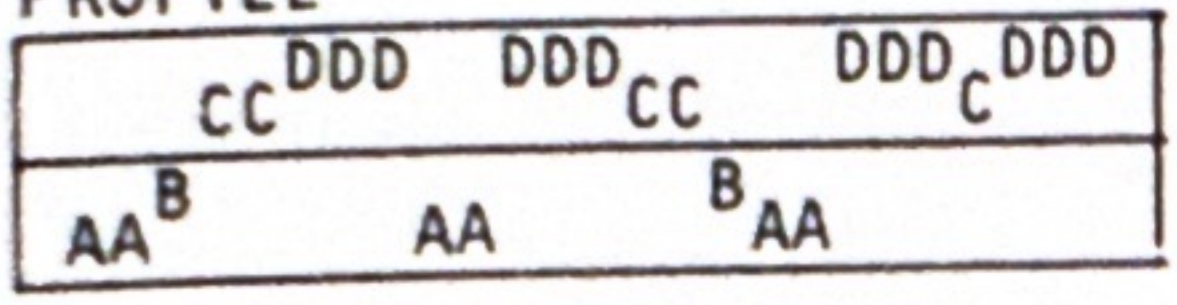
SECONDARY THREADING


20
30
B b D d D d D d D d B b D d D d D d D d
A a C c C c A a A a C c C c A a C c

Use unit-block designations as guide to adjust treadling.

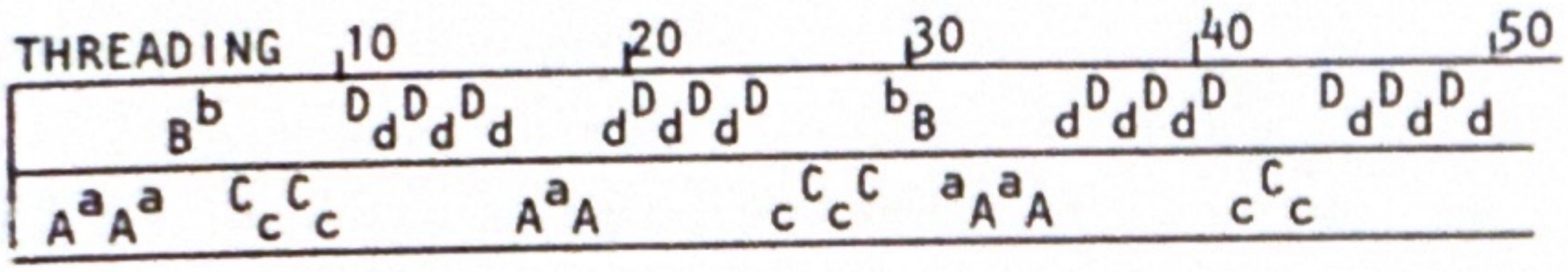
4-21 SHADOW WEAVE. Undulating development. 50 nds.

PROFILE



CC DDD DDD CC DDD C DDD
AA B AA B AA

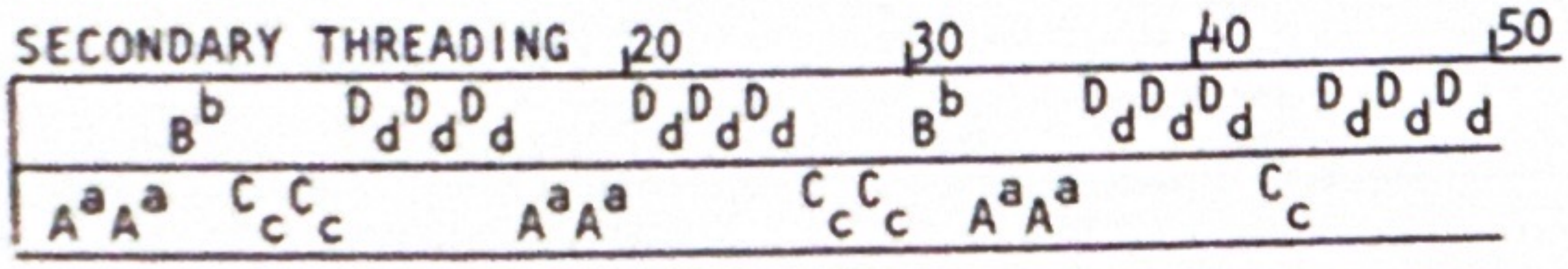
THREADING



10
20
30
40
50
B b D d D d D d d D d D d D b B d D d D d D D d D d D d
A a A a C c C c A a A c C c C a A a A c C c

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 1243 2	ABC DD CBA
4.	12342143 121 34124321 343	ABCD AA DCBA D
5.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2 21x2 343	AA BB CC DD AA DD CC BB A D
6.	12342143 123421 434 124321 3412 432	ABCD ABC DD CBA DCB
7.	43x2 21 34x2 12x3 434 21x3 43x2 12 34x2 21x3 434 12x3	BB A DD CCC B CCC
8.	12x2 43 21x2 34x3 121 43x3 12x2 34 21x2 43x3 121 34x3	CC B AA DDD C DDD AA B CC DDD AA DDD
9.	123432	ABB--Rotation
10.	342124	BCC--Rotation
11.	123421 434 124321 214312 343 213412	ABC DD CBA CDA BB ADC

SECONDARY THREADING

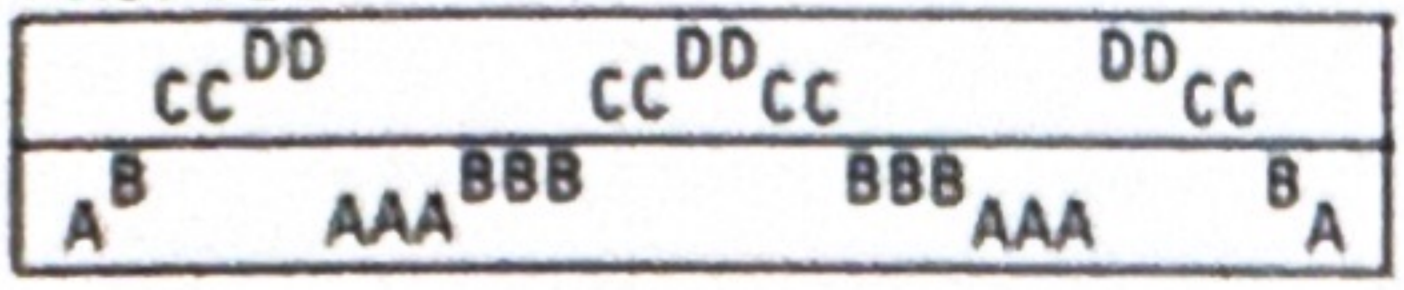


20
30
40
50
B b D d D d D d D d D d D d B b D d D d D d D d D d D d
A a A a C c C c A a A a C c C c A a A a C c

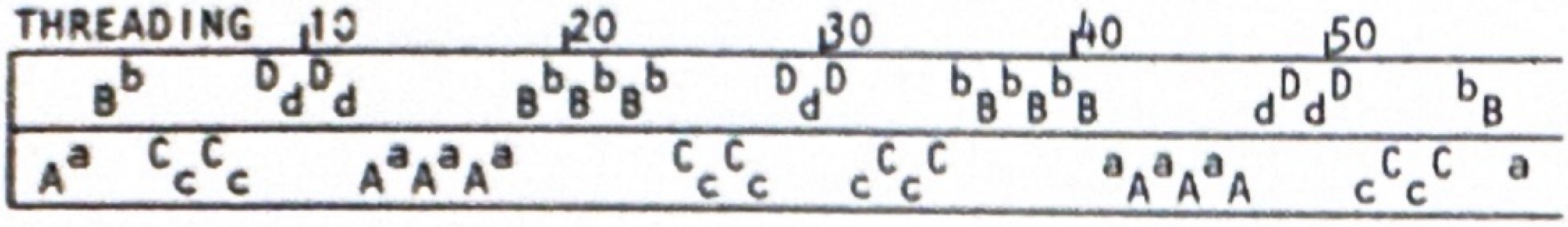
Use unit-block designations as guide to adjust treadling.

4-22 SHADOW WEAVE. Undulating development 58 nds.

PROFILE

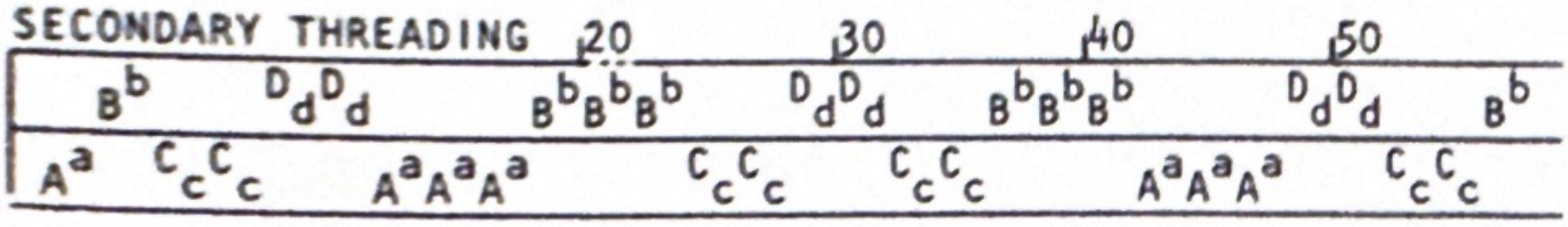


THREADING



TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABC DD CBA D
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABCD ABC DD CBA DCBA D
6.	$\underline{1}2\times2$ $\underline{3}4\times2$ $\underline{2}1\times2$ $\underline{4}3\underline{4}$ $1\underline{2}\times2$ $4\underline{3}\times2$ $2\underline{1}\times2$ $3\underline{4}3$	AA BB CC DD CC BB AA D
7.	$\underline{1}2\times2$ $\underline{3}4\times2$ $\underline{2}1\times2$ $\underline{4}3\times2$ $\underline{1}2\underline{1}$ $3\underline{4}\times2$ $1\underline{2}\times2$ $4\underline{3}\times2$ $21\underline{\times}2$ $3\underline{4}\times2$ $1\underline{2}1$ $\underline{4}3\times2$	AA BB CC DD AA DD CC BB AA DD C DD
8.	$3\underline{4}\times2$ $1\underline{2}\times2$ $4\underline{3}\times3$ $2\underline{1}\times3$ $3\underline{4}\times2$ $1\underline{2}1$ $\underline{4}3\times2$ $\underline{1}2\times3$ $\underline{3}4\times3$ $\underline{2}1\times2$ $\underline{4}3\times2$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$	DD CC BBB AAA DD C DD AAA BBB CC DD ABBA
9.	$3\underline{4}\times2$ $1\underline{2}\times3$ $4\underline{3}\times3$ $2\underline{1}\times2$ $3\underline{4}3$ $1\underline{2}\times2$ $\underline{3}4\times2$ $\underline{2}1\times3$ $\underline{4}3\times2$ $\underline{1}2\times2$ $\underline{3}4\underline{2}1\underline{2}4\underline{3}$ $2\underline{1}\times2$	DD CCC BBB AA D AA BBB CCC DD AA BCCB AA
10.	$\underline{1}2\times2$ $\underline{3}4\times2$ $\underline{2}1\underline{2}$ $4\underline{3}\times2$ 2	AA BB CC BB
11.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation

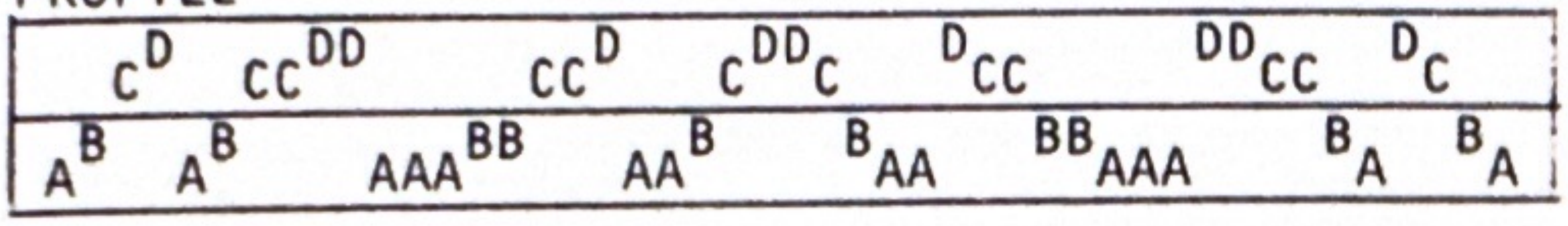
SECONDARY THREADING



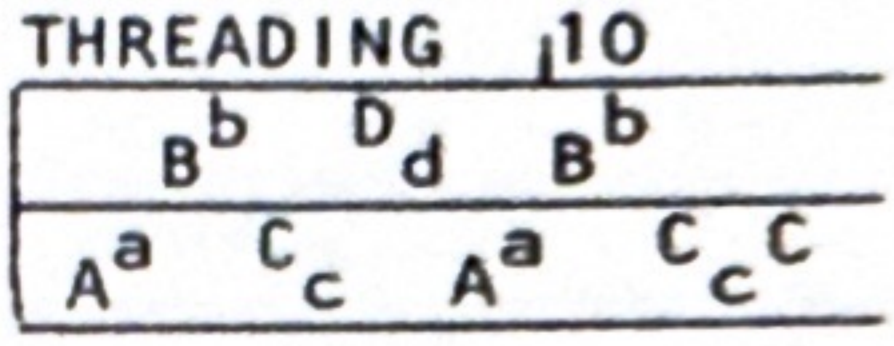
Use unit-block designations as guide to adjust treadling.

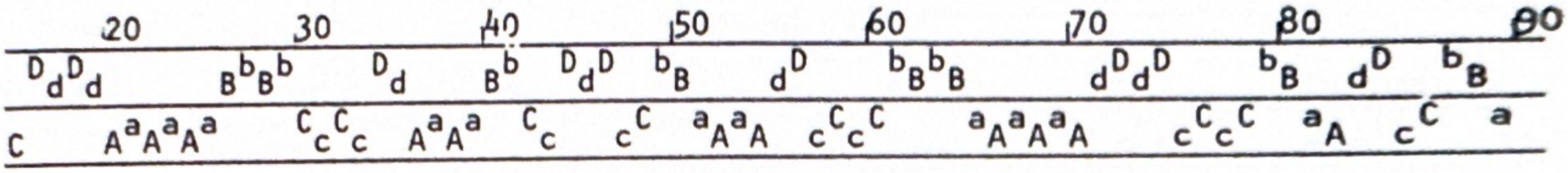
4-23 SHADOW WEAVE. Undulating development. **90 nds.**

PROFILE


CD CCDD CCD CDDC DCC DDCC DC
AB AB AAABB AAB BAA BBAAA BA BA

THREADING


10
Bb Dd Bb
Aa Cc Aa CcC


20 30 40 50 60 70 80 90
DdDd BbBb Dd Bb DdD bB dD bBB dDdD bB dD bB
C AaAaAa CcCc AaAa Cc cC aAaA cCcC aAaAaA cCcC aA cC a

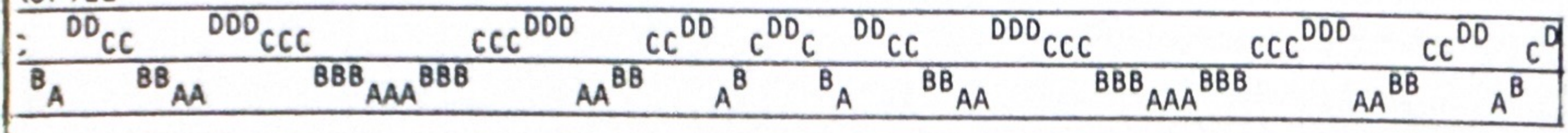
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x2 34x2 21x2 43x2	AA BB CC DD
3.	12x2 34x2 21x2 434 12x2 43x2 2	AA BB CC DD CC BB
4.	12x2 34x2 21x2 43x2 12x2 34x2 21x2 43x2 12x2 34x2 21x2 434 12x2 43x2 21x2 34x2 12x2 43x2 21x2 34x2 12x2 43x2-2	AA BB CC DD AA BB CC DD AA BB CC DD CC BB AA DD CC BB AA DD CC BB
5.	43 213412 4321 34x2 12x2 43x3 21x2 34x2 12 43x2 2134 12121 4312 34x2 21 43x2 12x2 34x3 21x2 43x2 12342143 121	B ADC BA DD CC BBB AA DD C BB AD CC DA BB C DD AA BBB CC DD ABCD AA
6.	12x2 34x2 21x2 434 12x2 43x2 21x2 34343	AA BB CC DD CC BB AA DD
7.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2-2	AA BB CC DD AA DD CC BB
8.	12x2 34x2 21x2 434 12x2 43x2 21x2 34x2 12121 43x2	AA BB CC DD CC BB AA DD CC DD
9.	21x2 43x2 121 34x2 12x2 43434	CC DD AA DD CC BB
10.	12x3 34x3 21x3 43x3 12x3 34x2 21x2 43x2 12 34x2 21x2 43x3 12x2 34x3 21x3 43434 12x3 43x3 21x2 34x3 12x2 43x2 21 34x2 12x2 43x2 21x3 34x3 12x3 43x3 2	AAA BBB CCC DDD AAA BB CC DD A BB CC DDD AA BBB CCC DDD CCC BBB AA DDD CC BB A DDD CC BBB DDD CC BBB
11.	34 12x2 43x2 2121212 34x2 21x2 43 12121	D CC BB AAA BB CC D AAA
12.	12x2 34x2 21x2 434 12x2 43x2 21x2 34x2 12x2 43x2 21212 34x2 21x2 43x2	AA BB CC DD CC BB AA DD CC BB AA BB CC DD

-24 SHADOW WEAVE. Hybrid development.

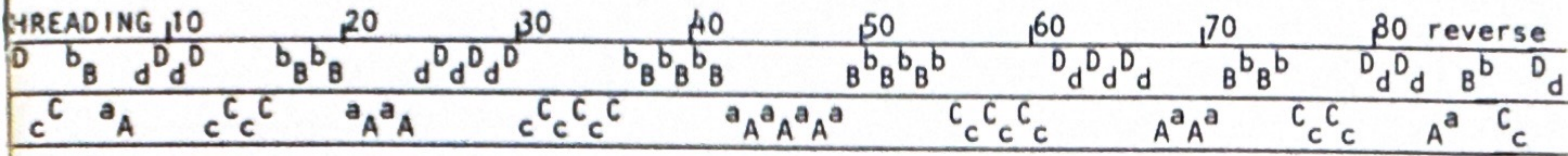
180 nds.

ıis four shaft draft derived from the Berta Frey three shaft pattern #104, page 98,)esigning and Drafting for Handweavers".

ROFILE


DD CC DDD CCC CCC DDD CC DD C DD C DD CC DDD CCC CCC DDD CC DD C D
B A BB AA BBB AAA BBB AA BB A B B A BB AA BBB AAA BBB AA BB A B

HREADING


10
20
30
40
50
60
70
80 reverse
D b B d D d D b B b B d D d D d D b B b B b B B b B b B b D d D d D d B b B b D d D d B b D d
c C a A c C c C a A a A c C c C c C a A a A a A a C c C c C c A a A a C c C c A a C c

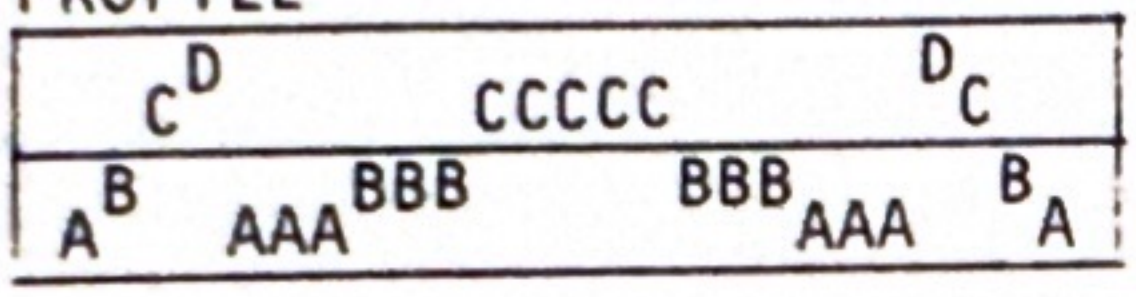
READLE NUMBERS		UNIT-BLOCK designations.
.	Tromp as writ.	Same as threading.
.	12342143	ABCD
.	123421 434 12432	ABC DD CB
.	12342143 121 34124321 3412143	ABCD AA DCBA DCD
.	12342143 1234321 34124321 3412434342143	ABCD ABBA
.	12342143 1234212 4321 34124321 341243 212 342143	ABCD AB CC BA DCBA DCB A BCD
.	12342143 1234 212 4321 34124321 34124321 341243 212 342143 12342143	ABCD AB CC BA DCBA DCBA DCB A BCD ABCD
	123421 434 124321 2143 1234321 3412	ABC DD CBA CD ABBA DC
	434 1243421	D CBC--Rotation
).	212 434	A DD---Rotation
.	12x2 34x2 21x2 434 12x2 43x2 21x2 343	AA BB CC DD CC BB AA D

nly use one "d" at beginning of draft when reversal point reaches end of the threading.

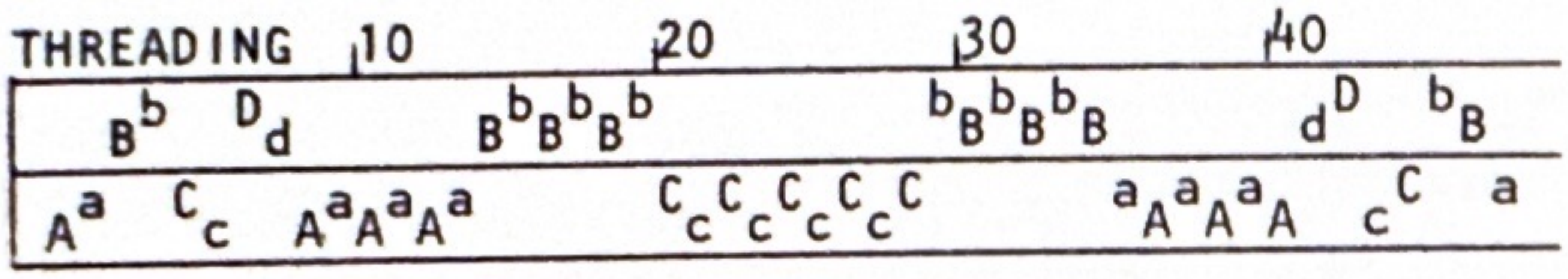
ne half of the draft (ending at the reversal point) should make an interesting pattern.

4-25 SHADOW WEAVE. Development of SEA STAR 48 nds.

PROFILE



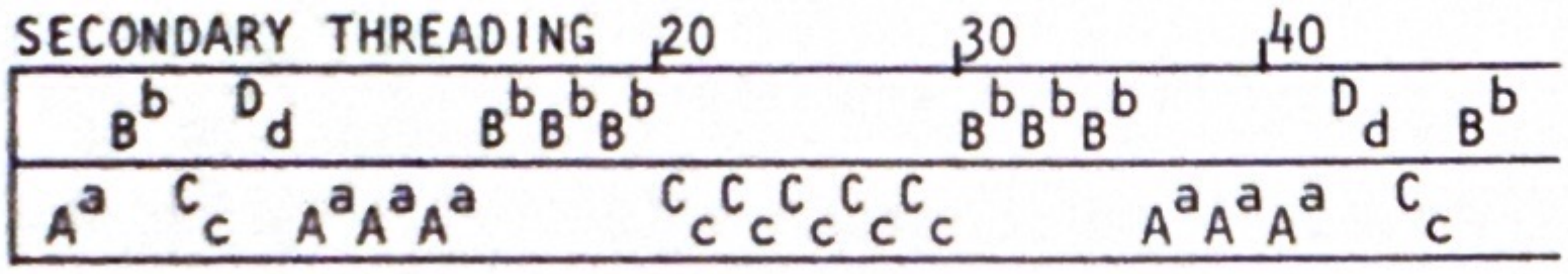
THREADING



10
20
30
40
B b D d B b B b B b b B b B b B d D b B
A a C c A a A a A a C c C c C c C c C a A a A a A c C a

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4.	$\underline{1}2x2$ $\underline{3}4x2$ $\underline{2}1x2$ $\underline{4}3\underline{4}$ $1\underline{2}x2$ $4\underline{3}x2$ $2\underline{1}x2$ $3\underline{4}3$	AA BB CC DD CC BB AA D
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2x2$ $\underline{3}4x2$ $\underline{2}1x2$ $\underline{4}3\underline{4}$ $1\underline{2}x2$ $4\underline{3}x2$ $2\underline{1}x2$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABCD AA BB CC DD CC BB AA DCBA D
6.	$\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}x3$ $2\underline{1}x3$ $3\underline{4}3\underline{4}3\underline{4}3\underline{4}3$ $\underline{1}2x3$ $\underline{3}4x3$ $\underline{2}1\underline{4}3$	ABBA DC BBB AAA DDDD AAA BBB CD
7.	$1\underline{2}4\underline{3}2\underline{1}3\underline{4}$ $1\underline{2}x3$ $4\underline{3}x3$ $2\underline{1}2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4x3$ $\underline{2}1x3$ $\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}$	CBAD CCC BBB AAAA BBB CCC DAB C
8.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2x4$ $\underline{3}4x4$ $\underline{2}1\underline{2}$ $4\underline{3}x4$ $2\underline{1}x4$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD AAAA BBBB CC BBBB AAAA DCB
9.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD AAAA DCB
10.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
11.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}$ 2	AB CC B--Rotation

SECONDARY THREADING



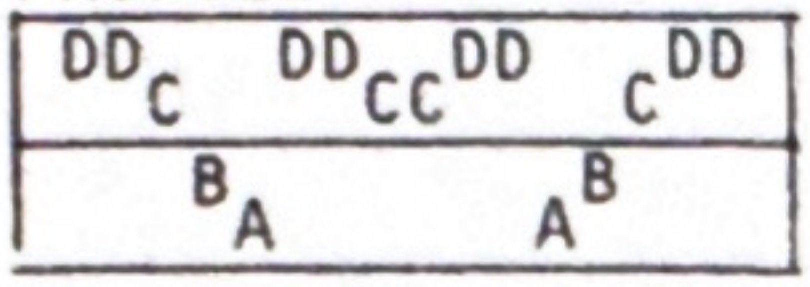
20
30
40
B b D d B b B b B b B b B b B b D d B b
A a C c A a A a A a C c C c C c C c C c A a A a A a C c

Use unit-block designations as guide to adjust treadling.

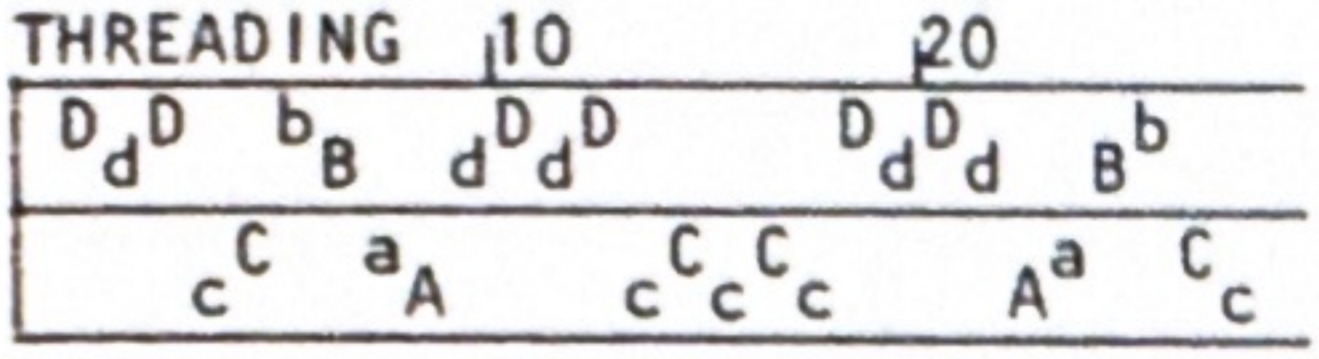
4-26 SHADOW WEAVE. Development of WEAVERS FANCY (altered) 28 nds.

Center Block C reduced from three to two units.

PROFILE

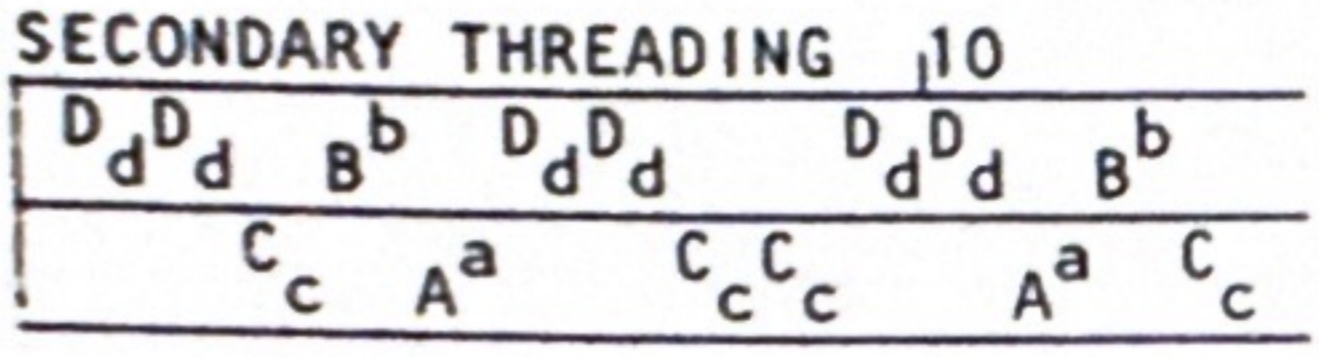


THREADING



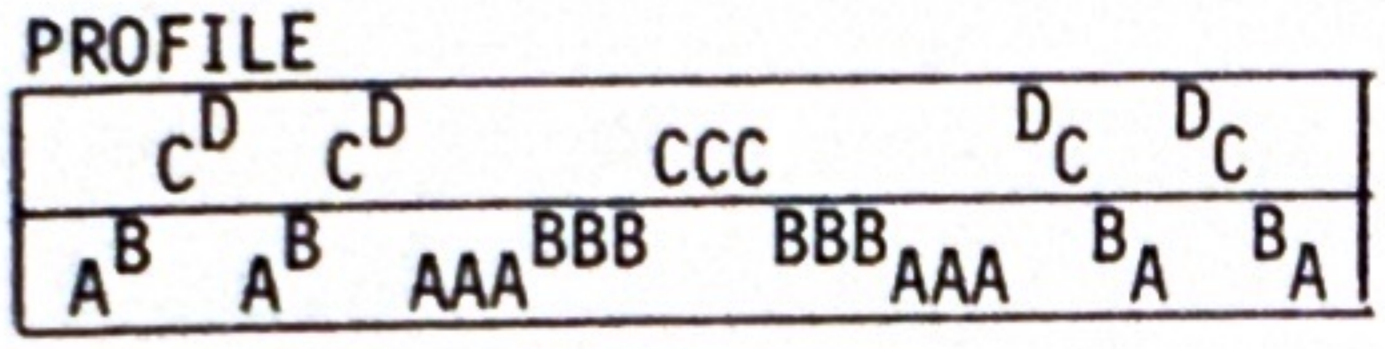
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CBA
4.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABC DD CBA D
5.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$	ABC DD CBA DCD
6.	$\underline{2}1{\times}2$ $\underline{4}3$ $\underline{1}2\underline{3}4$ $\underline{2}1{\times}2$ $\underline{4}3\underline{4}$ $1\underline{2}{\times}2$ $4\underline{3}2\underline{1}$ $3\underline{4}3$	CC D AB CC DD CC BA D
7.	$\underline{4}3{\times}2$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3{\times}2$ $\underline{1}2\underline{1}$ $3\underline{4}{\times}2$ $1\underline{2}4\underline{3}2\underline{1}$ 3	DD ABC DD AA DD CBA
8.	$\underline{4}3\underline{4}$ $1\underline{2}$ $4\underline{3}{\times}2$ $2\underline{1}{\times}2$ $3\underline{4}$ $1\underline{2}1$ $\underline{4}3$ $1\underline{2}{\times}2$ $\underline{3}4{\times}2$ $\underline{2}1$	DD C BB AA DCD AA BB C
9.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}4\underline{2}1\underline{4}3$	ABCD ABC DD CBA DCBA DCBCD
10.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B--Rotation
11.	$2\underline{1}2$ $\underline{4}3\underline{4}$	ADD--Rotation

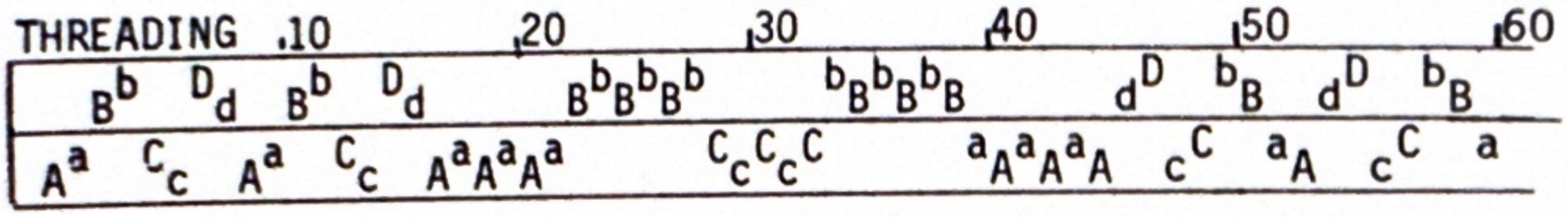
SECONDARY THREADING



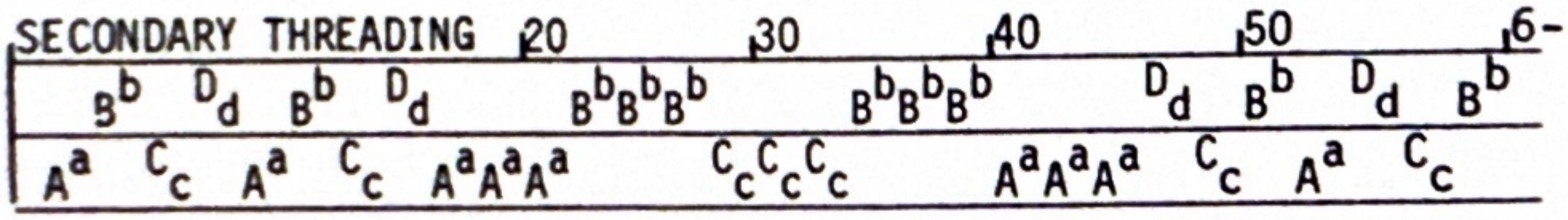
Use unit-block designations as guide to adjust treadling.

4-27 SHADOW WEAVE. Hybrid development. 60 nds.


PROFILE
C^D C^D CCC ^DC ^DC
A^B A^B AAA^{BBB} BBB_{AAA} ^BA ^BA


THREADING
10
20
30
40
50
60
B^b D_d B^b D_d $B^bB^bB^b$ $^bB^bB^bB$ d^D ^bB d^D ^bB
A^a C_c A^a C_c $A^aA^aA^a$ C_cC_cC $^aA^aA^aA$ c^C ^aA c^C a

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3$x3	ABCD ABCD AAA BBB CCC DDD
5.	$\underline{2}1\underline{2}$ $4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x3 $2\underline{1}2\underline{1}2$ $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$	CC BADC BAD CCC BBB AA BBB CCC DAB CDAB
6.	$\underline{3}4\underline{3}2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}$x3 $2\underline{1}$x3 $3\underline{4}$x3 $1\underline{2}1\underline{2}1$ $\underline{4}3$x3 $\underline{1}2$x3 $\underline{3}4$x2 $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$	BBADC BADC BBB AAA CC DDD AAA BBB CDAB CDA
7.	$\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3$x3 $\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x3 $2\underline{1}$x3 $3\underline{4}$x3 $1\underline{2}$x3 $4\underline{3}$x3 2	AA BBB CCC DDD AAA BBB CCC DDD CCC BBB AAA DDD CCC BBB
8.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
9.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B--Rotation
10.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}1\underline{2}1$ $\underline{4}3$x2	AA BB CC DDD CC BB AA DD CC DD
11.	$\underline{1}2\underline{3}4$ $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}2$	AB CC DDD CC B


SECONDARY THREADING
20
30
40
50
6-
B^b D_d B^b D_d $B^bB^bB^b$ $B^bB^bB^b$ D_d B^b D_d B^b
A^a C_c A^a C_c $A^aA^aA^a$ $C_cC_cC_c$ $A^aA^aA^a$ C_c A^a C_c

Use unit-block designations as guide to adjust treadling.

4-28 SHADOW WEAVE. Hybrid development. 66 nds.

Hayes' QUEEN ANNS LACE(altered). Center block D reduced from four to three units.

PROFILE

```
   D         D  DDD  D            D  DD DD
    C         CC   CC            C     C
------------------------------------------
      B  BB              BB  BB
AA     AA  A            A  AA      AA
```

THREADING

```
         |10       |20       |30       |40       |50       |60
------------------------------------------------------------------
    D  b       b    D     D DD     D     b       b  D     D     D 
   d    B     B B  d       d d       d  B B     B    d   d      d
------------------------------------------------------------------
 a    C  a a a   a     C C       C C    a   a a a  C    a    C C   
A A  c    A A     A  c c c     c c c  A     A A    c  A A  c c c  
------------------------------------------------------------------
```

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2x3$ $\underline{3}4x3$ $\underline{2}1x3$ $\underline{4}3x3$	AAA BBB CCC DDD
3.	$2\underline{1}2\underline{1}2$ $\underline{3}4x3$ $\underline{2}1x3$ $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}x3$ $4\underline{3}x3$	AA BBB CCC DDD CCC BBB
4.	$\underline{1}2x2$ $\underline{3}4x2$ $\underline{2}1x2$ $\underline{4}3x2$ $\underline{1}2x2$ $\underline{3}4\underline{3}$ $2\underline{1}x2$ $3\underline{4}x2$ $1\underline{2}x2$ $4\underline{3}x2$ $2\underline{1}x2$ $3\underline{4}x2$ $1\underline{2}1$ $\underline{4}3x2$	AA BB CC DD AA BB AA DD CC BB AA DD C DD
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABC DD CBA DCB
6.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$	ABC DD CBA CDA BB ADC
7.	$4\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}$ $2\underline{1}2\underline{1}2$ $\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}1\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}4$ $\underline{2}1\underline{4}3\underline{4}1\underline{2}$	B CD ABB AA BC DD CC DD CB AA BB ABC B CDDC
8.	$\underline{1}2\underline{3}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$	ABB A BC DD CB
9.	$\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}2\underline{1}2$ $\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}1\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ $2\underline{1}2\underline{1}2$ $\underline{3}4\underline{3}$ 2	A BB AA BC DD CC DD CB AA BB
10.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2x2$ $\underline{3}4x2$ $\underline{2}1x2$ $\underline{4}3\underline{4}$ $12\underline{x}2$ $4\underline{3}x2$ $2\underline{1}x2$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$	ABCD AA BB CC DD CC BB AA DCBA
11.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation

4-29 SHADOW WEAVE. Hybrid development, 62 nds.

Hayes' PRIMROSE

PROFILE

${}^{D}CCC^{D}$ ${}^{D}C$ C^{D} ${}^{D}CCC^{D}$

$A^{BBBB}A$ AAAA ^{BBB} AAAA

THREADING 10 20 30 40 50 60

$B^{b}B^{b}B^{b}B$ d^{D} ${}^{D}d$ d^{D} ${}^{b}B^{b}B^{b}B^{b}$ ${}^{D}d$ d^{D} ${}^{D}d$

A^{a} ${}^{a}A$ $c^{C}c^{C}c^{C}c$ $A^{a}A^{a}A^{a}A$ c^{C} ${}^{C}c$ $A^{a}A^{a}A^{a}A$ $c^{C}c^{C}c^{C}c$

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CBA
4.	$\underline{1}2$ $\underline{3}4$x2 $\underline{2}1$x3 $\underline{4}3$x4	A BB CCC DDDD
5.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABCD ABC DD CBA DCBA D
6.	$\underline{1}2$ $\underline{3}4$x2 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x2 2	A BB CCC DDDD CCC BB
7.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x3 2	AAA BBB CC DD CC BBB
8.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
9.	$4\underline{3}$ $2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4$ $\underline{2}1$ $\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$ $4\underline{3}4\underline{3}4\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}4\underline{3}4\underline{3}4$ $\underline{2}1$ $\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$	B AAA B C DDDD C BBB CD AAAA DC BBB C DDDD C
10.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B--Rotation
11.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$	ABC DD CBA CDA BB ADC

4-30 SHADOW WEAVE. Hybrid development. 72 nds.

Powell Group 1-5C

PROFILE

```
|DDDD      DDDD                  DDDD
|     C   C    CCC            CCC     C  CC
|------------------------------------------
|      BB          BBB     BBB         BB
|                     AAAA
```

THREADING

```
          10        20        30        40        50        60        70
|D D D D  b b b  D D D D      b b b           b b b      D D D D  b b b
| d d d    B B    d d d        B B B         B B B        d d d    B B
|------------------------------------------------------------------------
|        C     C         C C C      a a a a a      C C C         C     C
|       c       c       c c c        A A A A        c c c       c       c
```

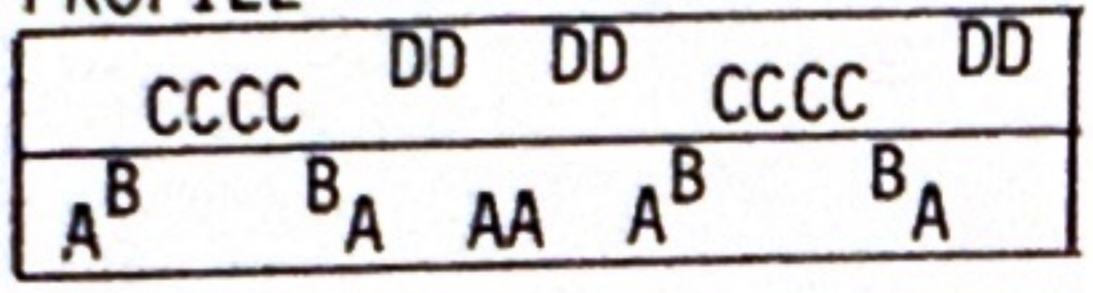
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4.	$\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}4\underline{3}4$ $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 $\underline{2}1\underline{2}1\underline{2}$ $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}4\underline{3}4$ $\underline{2}1$x2	DDD CC BB CC DDD CC BB AA BB CC DDD CC BB CC
5.	$3\underline{4}$x4 $1\underline{2}$x4 $4\underline{3}$x2 $2\underline{1}$	DDDD CCC BB A
6.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 2	AA BB CC DD CC BB
7.	$\underline{1}2$x3 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 2	AAA BB CC DDDD CC BB
8.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3$x2 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x3 $1\underline{2}$x3 $4\underline{3}$x3 2	AAA BBB CCC DDD AAA DDD CCC BBB
9	$\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x3 2	AA BBB CCC BBB
10.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $\underline{4}32$	AB CC B--Rotation
11.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation

4-31 SHADOW WEAVE. Hybrid development.

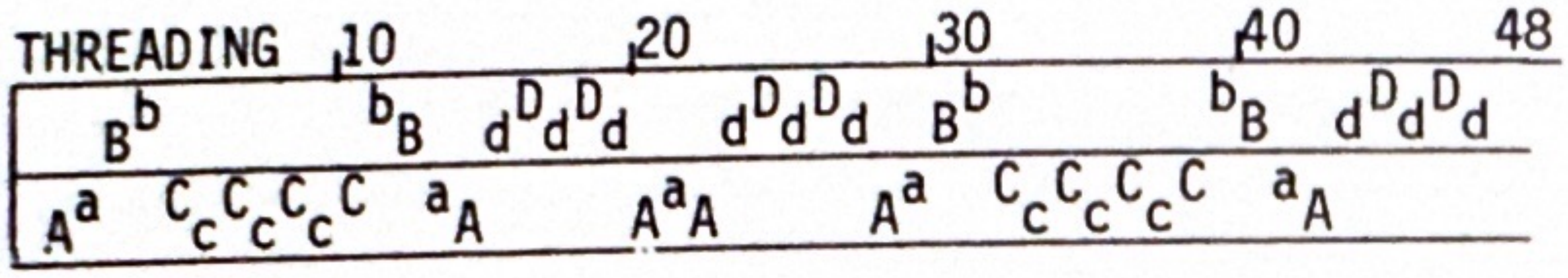
48 nds.

Estes' Marigold.

PROFILE

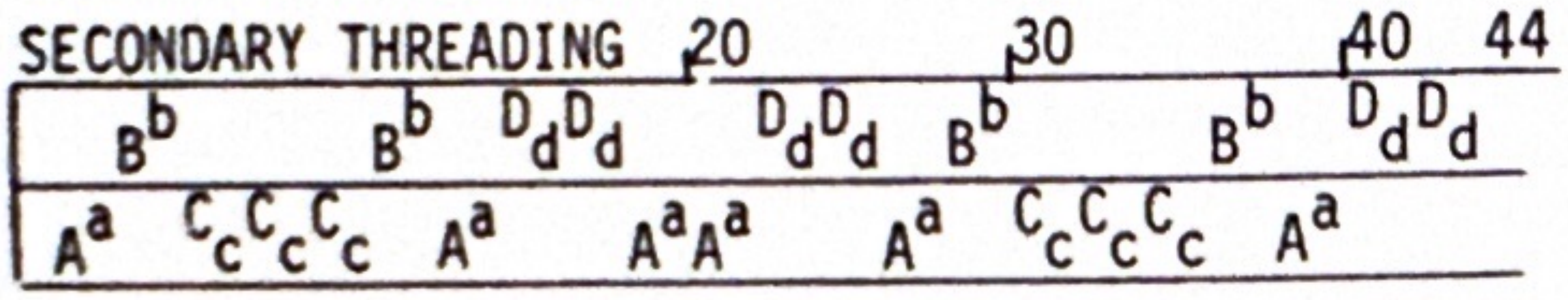


THREADING


10
20
30
40
48
B b b B d D d D d d D d D d B b b B d D d D d
A a C c C c C c C a A A a A A a C c C c C c C a A

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as in threading.
2.	$\underline{1}2\text{x}2\ \underline{3}4\text{x}2\ \underline{2}1\text{x}2\ \underline{4}3\text{x}2$	AA BB CC DD
3.	$\underline{1}2\text{x}2\ \underline{3}4\text{x}2\ \underline{2}1\text{x}2\ \underline{4}3\underline{4}\ 1\underline{2}\text{x}2\ 4\underline{3}\text{x}2\ 2$	AA BB CC DD CC BB
4.	$\underline{1}2\underline{3}4\ \underline{2}1\underline{2}1\underline{2}1\underline{2}\ 4\underline{3}\ 2$	A B CCCC B
5.	$\underline{1}2\underline{3}4\ \underline{2}1\underline{2}1\underline{2}1\underline{2}\ 4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\ \underline{1}2\underline{1}2\underline{1}2\underline{1}\ 3\underline{4}1\underline{2}$	AB CCCC BA CD AAAA DC
6.	$\underline{1}2\underline{1}\ 3\underline{4}1\underline{2}\ 4\underline{3}4\underline{3}4\underline{3}4\underline{3}4\ \underline{2}1\underline{4}3\ \underline{1}2\underline{1}$ $3\underline{4}3\underline{4}3\ \underline{1}2\underline{1}\ 3\underline{4}1\underline{2}\ 4\underline{3}4\underline{3}4\underline{3}4\underline{3}4\ \underline{2}1\underline{4}3$	AA DC BBBB CD AA DD AA DC BBBB CD
7.	$\underline{1}2\underline{1}\ 3\underline{4}1\underline{2}\ 4\underline{3}4\underline{3}4\underline{3}4\ \underline{2}1\underline{4}3$	AA DC BBB CD
8.	$\underline{1}2\underline{3}4\ \underline{2}1\underline{2}1\underline{2}1\underline{2}\ 4\underline{3}2\underline{1}\ 3\underline{4}3$	AB CCCC BA D
9.	$\underline{1}2\text{x}2\ \underline{3}4\text{x}2\ \underline{2}1\text{x}2\ \underline{4}3\underline{4}$ $1\underline{2}\text{x}2\ 4\underline{3}\text{x}2\ 2\underline{1}\text{x}2\ 3\underline{4}3$	AA BB CC DD CC BB AA D
10.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{2}1\ \underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}1\underline{2}4\underline{3}\ 2$	ABCD ABC DD CBA DCB
11.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation

SECONDARY THREADING


20
30
40
44
B b B b D d D d D d D d B b B b D d D d
A a C c C c C c A a A a A a A a C c C c C c A a

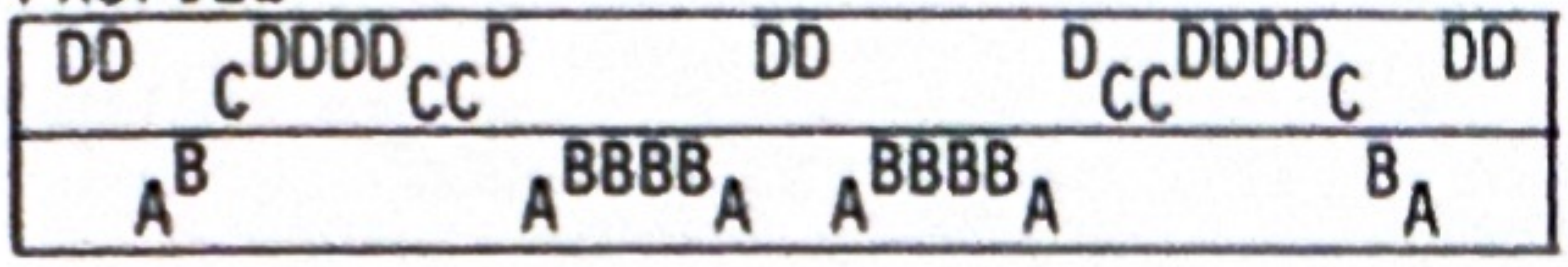
It will be noted that Preferred threading requires 48 ends for pattern while the Secondary uses only 44 ends.

Use Unit-Block designations as guide in adjusting treadling.

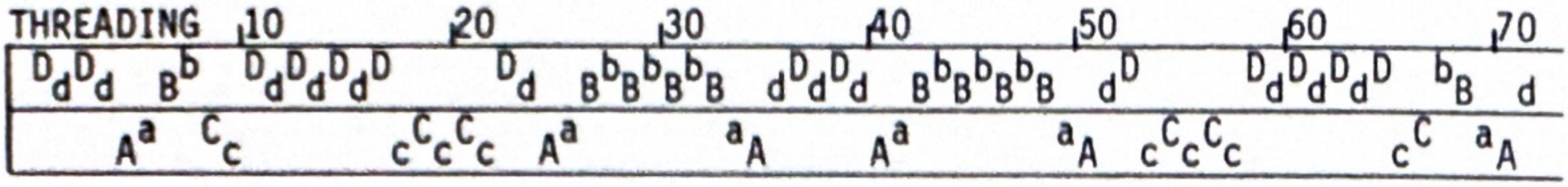
4-32 SHADOW WEAVE. Hybrid development. 72 nds.

Powell Group 111 10A

PROFILE


DD CDDDDCCD DD DCCDDDDC DD
AB ABBBBA ABBBBA BA

THREADING

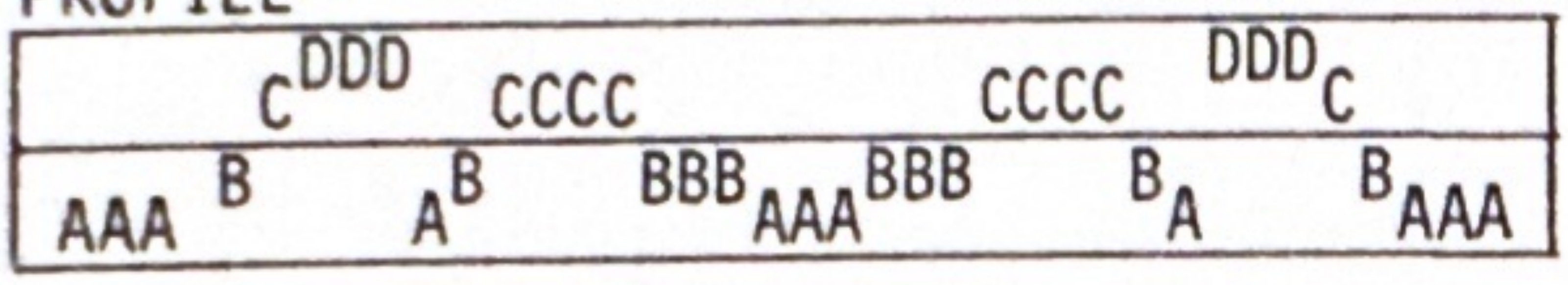

10
20
30
40
50
60
70
DdDd Bb DdDdDdD Dd BbBbBbB dDdDd BbBbBbB dD DdDdDdD bB d
Aa Cc cCcCc Aa aA Aa aA cCcCc cC aA

TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 12x2 34x2 21x2 43x2	AA BB CC DD
3. 12 34x2 21x2 434 12x2 43x2 2	A BB CC DD CC BB
4. 212 432134 121212121 434 1243 212121212 34 212 43 212121212 3421 434 121212121 431234	CC B A D CCCC DD CB AAAA B CC B AAAA BC DD CCCC DAB
5. 12x2 34x3 21212 43x3 2	AA BBB CCC BBB
6. 123421 434 1243 2	ABC DD CB
7. 12 34x2 21x3 4343434 12x3 43x2 2	A BB CCC DDDD CCC BB
8. 1234 2143 1234321 3412 4321 3412143	AB CD ABBA DC BA DCD
9. 1234 2143412 4321 2143 1234321 3412	AB CDDC BA CD ABBA DC
10. 1234 212 432	AB CC B--Rotation
11. 343 121	BB C--Rotation

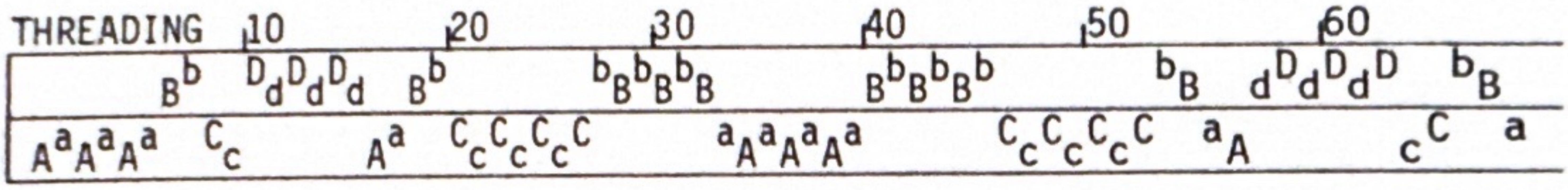
4-33 SHADOW WEAVE. Hybrid development. 68 nds.

Powell Group 11-7A. Adjusted to allow equal number ends at turning blocks.

PROFILE


CDDD CCCC CCCC DDDC
AAA B AB BBBAAABBB BA BAAA

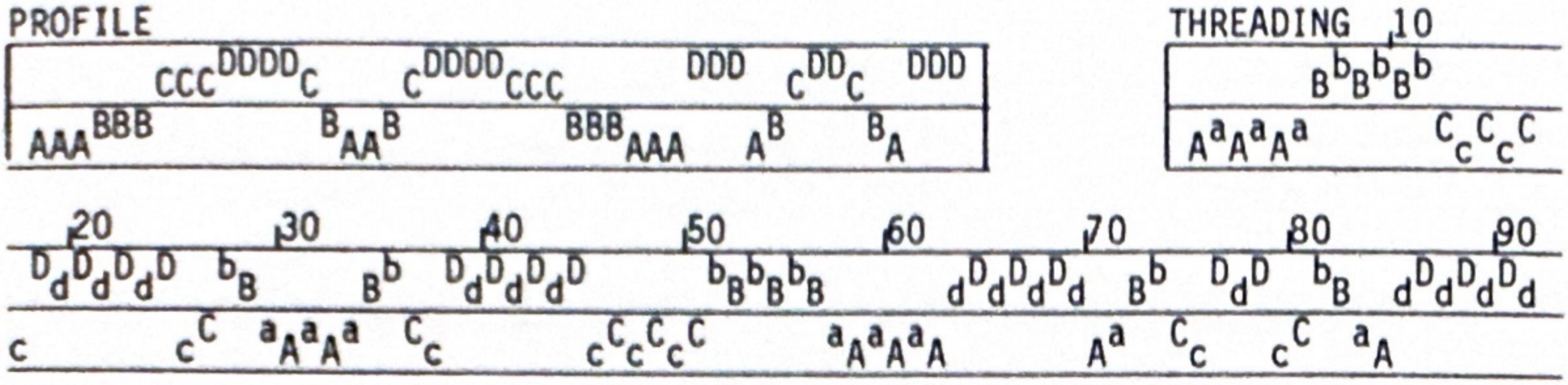
THREADING


10 20 30 40 50 60
Bb DdDdDd Bb bBbBbB BbBbBb bB dDdDdD bB
AaAaAa Cc Aa CcCcCcC aAaAaAa CcCcCcC aA cC a

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x2 34x2 21x2 43x3	AA BB CC DD
3.	12 34x2 21x2 434 12x2 43x2 2	A BB CC DD CC BB
4.	12x3 34x3 21x3 43x3 12x3 34343 21x3 34x3 12x3 43x3 21x3 34x3 12121 43x3	AAA BBB CCC DDD AAA BBB AAA DDD CCC BBB AAA DDD CC DDD
5.	12x2 34x2 21x2 434 12x2 43x2 21x2 21x2 43x2 12x2 343 21x2 34x2 12x2	AA BB CC DD CC BB AA CC DD AA BB AA DD CC
6.	34343 2134 12x3 4321 3434343 12x3 34343 21x3 3434343 1234 21x3 4312	BBB AD CCC BA DDD AAA BBB AAA DDD AB CCC DA
7.	12342143 123421 434 124321 3412432	ABCD ABC DD CBA DCB
8.	12342143 12342143 1234321 34124321 3412432	ABCD ABCD ABBA DCBA DCB
9.	This treadling is THREADING for draft #32. 43x2 123421 4343434 12121 4312 3434343 21 34343 12 3434343 2134 12121 4343434 124321 3	 DD ABC DDDD CC DA BBBB A DD A BBBB AD CC DDDD CBA
10.	123432	ABB--Rotation
11.	1234 212 432	AB CC B--Rotation

4-34 SHADOW WEAVE. Hybrid development. 92 nds.

Hayes' STARS OF VICTORY, altered. The third and fifth D blocks reduced to give same number ends as first and second D blocks.

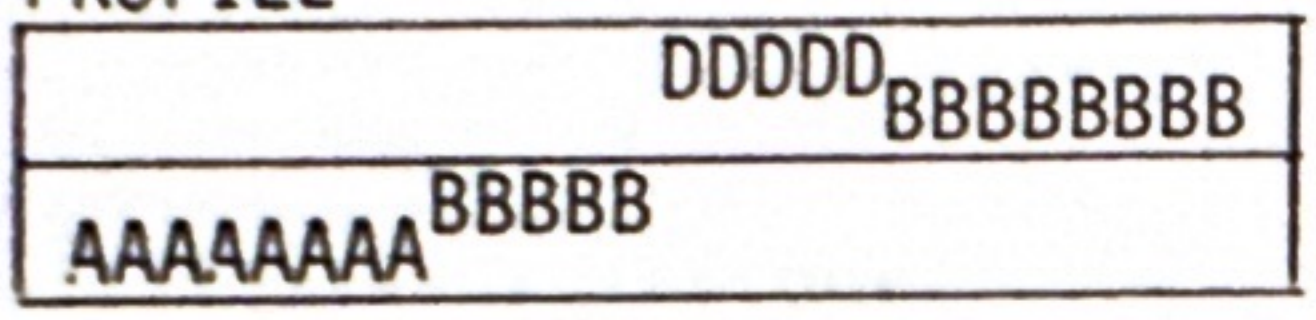

PROFILE
CCC DDDD C C DDDD CCC DDD C DD C DDD
AAA BBB B AA B BBB AAA A B B A
THREADING
10
20
30
40
50
60
70
80
90

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2	AA BB CC DD
3.	$\underline{1}$2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}3\underline{4}$ 1$\underline{2}$x2 4$\underline{3}$x2 2	AA BB CC DD CC BB
4.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2 $\underline{1}$2x2 $\underline{3}4\underline{3}$ 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$x2 4$\underline{3}$x2 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$1 $\underline{4}$3x2	AA BB CC DD AA BB AA DD CC BB AA DD C DD
5.	4$\underline{3}$x3 2$\underline{1}$x3 3$\underline{4}$x3 1$\underline{2}$1$\underline{2}$1$\underline{2}$1$\underline{2}$1 $\underline{4}3\underline{1}$2 $\underline{3}4\underline{3}$ 2$\underline{1}3\underline{4}$ 1$\underline{2}$1$\underline{2}$1$\underline{2}$1$\underline{2}$1 $\underline{4}$3x3 $\underline{1}$2x3 $\underline{3}$4x2 $\underline{2}1\underline{2}1\underline{2}$ 4$\underline{3}$2$\underline{1}$3$\underline{4}$ 1$\underline{2}$1$\underline{2}$1 $\underline{4}3\underline{1}2\underline{3}$4 $\underline{2}1\underline{2}1\underline{2}$	BBB AAA DDD CCCC DA BB AD CCCC DDD AAA BBB CCC BAD CC DAB CCC
6.	$\underline{3}4\underline{3}4\underline{3}$ 2$\underline{1}$x3 3$\underline{4}$x2 1$\underline{2}$1$\underline{2}$1 $\underline{4}$3x3 $\underline{1}$2x3	BBB AAA DDD CC DDD AAA
7.	$\underline{3}4\underline{3}$ 2$\underline{1}$x2 3$\underline{4}$x2 $\underline{1}$2x2 4$\underline{3}$4 $\underline{2}$1x2 $\underline{4}$3x2 $\underline{1}$2x2	BB AA DD CC B CC DD AA
8.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}1\underline{2}$ 4$\underline{3}$x2 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$x2 4$\underline{3}$4 $\underline{2}$1x2 $\underline{4}$3x2	AA BB CC BB AA DD CC B CC DD
9.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ 1$\underline{2}4\underline{3}2\underline{1}$ 3$\underline{4}1\underline{2}4\underline{3}$2	ABCD ABC DD CBA DCB
10.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
11.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ 1$\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ 2$\underline{1}3\underline{4}1\underline{2}$	ABC DD CBA CDA BB ADC

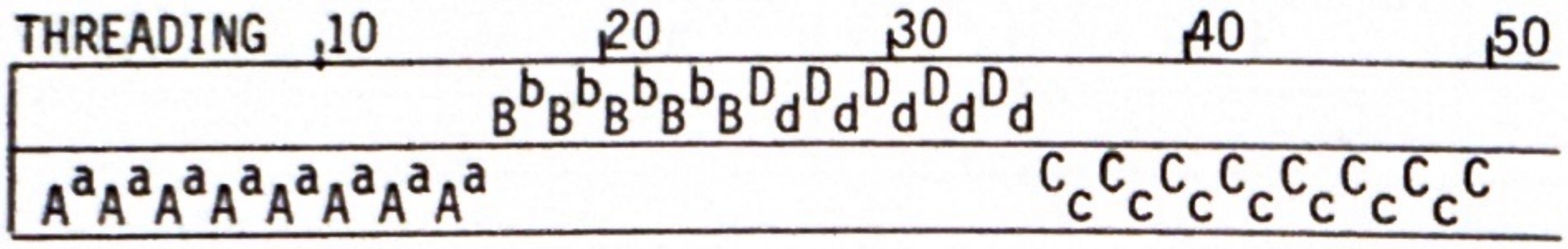
4-35 SHADOW WEAVE. Opposites development.

50 nds.

PROFILE


DDDDDBBBBBBBB
AAAAAAAABBBBB

THREADING

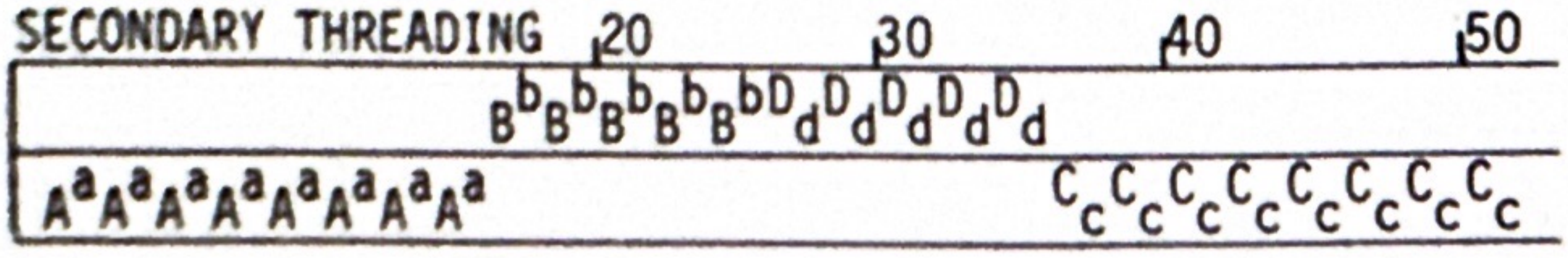

10
20
30
40
50
BbBbBbBbBbBDdDdDdDdDd
AaAaAaAaAaAaAaAaAaAa
CcCcCcCcCcCcCcCcCcC

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 12432	ABC DD CB
4.	12x8 43x4 +4 34x5 21x7 +2	AAAAAAAA DDDDD BBBBB CCCCCCCC
5.	12x5 343434343 21x5 21x5 434343434 12x5	AAAAA BBBBB AAAAA CCCCC DDDDD CCCCC
6.	12x3 434343434 21x3 21x3 343434343 12x3	AAA DDDDD AAA CCC BBBBB CCC
7.	12x3 34x3 21x3 43x3	AAA BBB CCC DDD
8.	12x3 34x3 21x3 434343434 12x3 43x3 21x3 21x3 43x3 12x3 343434343 21x3 34x3 12x3	AAA BBB CCC DDDDD CCC BBB AAA CCC DDD AAA BBBBB AAA DDD CCC
9.	12x5 13x3 42x3 12x5 +1 21x5 24x3 31x3 21x5 +2	Novelty treadling
10	12x5 13x3 24x3 21x5 +2	Novelty treadling
11.	123432	ABB--Rotation

A strong pattern, suitable for slightly textured materials.

May also be threaded in Secondary manner, avoiding dividing lines. 52 nds.

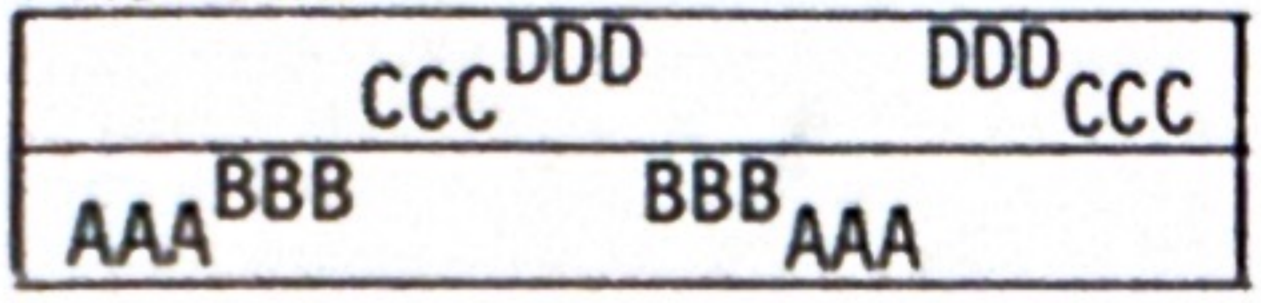
SECONDARY THREADING


20
30
40
50
BbBbBbBbBbBbDdDdDdDdDd
AaAaAaAaAaAaAaAaAaAa
CcCcCcCcCcCcCcCcCcCc

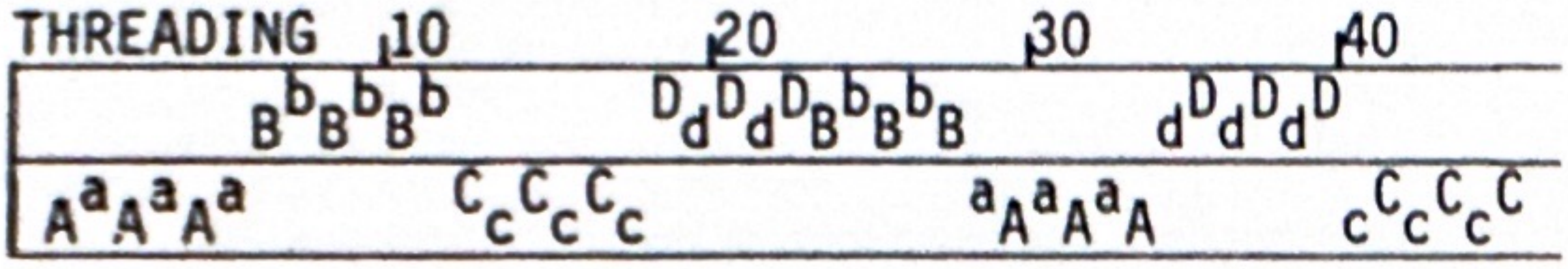
Adjust treadling to threading by use of unit-block designations.

4-36 SHADOW WEAVE. Opposites development. 46 nds.

PROFILE



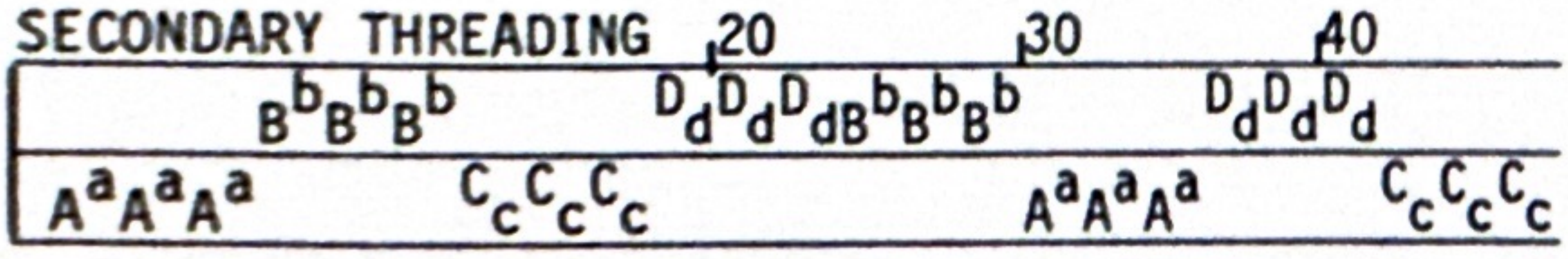
THREADING



	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3$x3	AAA BBB CCC DDD
3.	$\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x2 2	AA BBB CCC DDD CCC BBB
4.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}3$	AA BB CC DD CC BB AA D
5.	$\underline{1}2$x3 $\underline{3}4$x4 $\underline{2}1\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x4 2	AAA BBBB CCCC BBBB
6.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x3 $2\underline{1}$x3 $\underline{2}1$x3 $\underline{4}3$x3 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x3 $1\underline{2}$x3	AAA BBB CCC BBB AAA CCC DDD AAA DDD CCC
7.	$\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x3 $2\underline{1}$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{1}2\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x3 $1\underline{2}$x2	AA BBB CCCC BBB AA CC DDD AAAA DDD CC
8.	$\underline{1}2$x3 $\underline{3}4\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3	AAA BBB AAA CCC DDDD CCC
9.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{1}2\underline{1}2\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x3 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1\underline{2}1\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x3 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2	AA BB CC DDD AAAAA DDD CC BB AA CC DD AA BBB CCCC BBB AA DD CC
10.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
11.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}$ 2	AB CC B--Rotation

Secondary threading which omits double line. 48 nds.

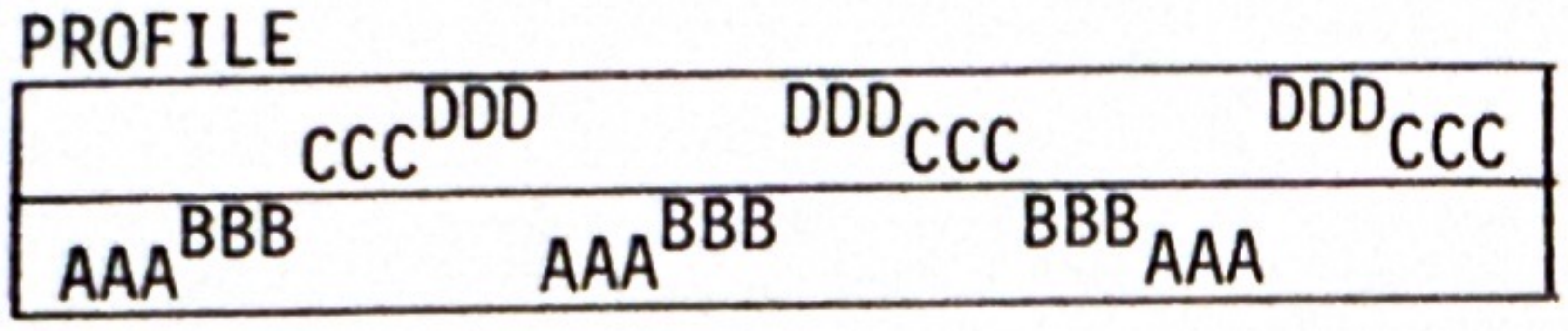
SECONDARY THREADING



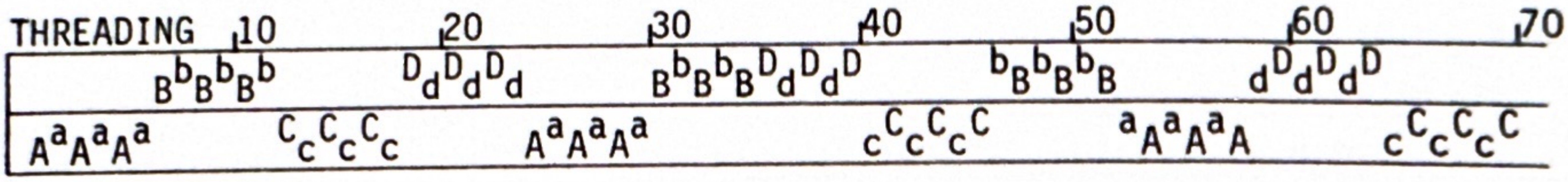
Adjust treadling to threading.

4-37 SHADOW WEAVE. Opposites development

PROFILE


CCC DDD
DDD CCC
DDD CCC
AAA BBB
AAA BBB
BBB AAA

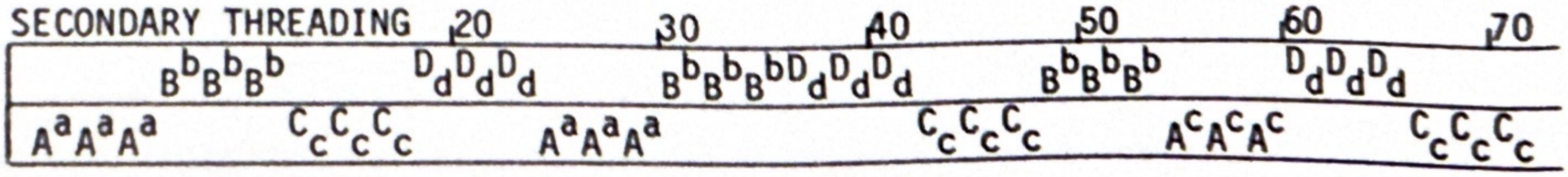
THREADING


10
20
30
40
50
60
70
B b B b B b
D d D d D d
B b B b B b D d D d D
b B b B b B
d D d D d D
A a A a A a
C c C c C c
A a A a A a
c C c C c C
a A a A a A
c C c C c C

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x3 34x3 21x3 43x3	AAA BBB CCC DDD
3.	12x2 34x3 21x3 43434 12x3 43x3 2	AA BBB CCC DDD CCC BBB
4.	12x2 34x3 21x3 43x3 12121 34x3 12x3 43x3 2	AA BBB CCC DDD AAA DDD CCC BBB
5.	12x2 34x3 2121212 43x3 2	AA BBB CCCC BBB
6.	12x3 34x3 2121212 43x3 21x2 21x2 43x3 1212121 34x3 12x2	AA BBB CCCC BBB AA CC DDD AAAA DDD CC
7.	12x2 34x2 21x2 43x2 121 34x2 12x2 43x2 21x2 21x2 43x2 12x2 34x2 212 43x2 21x2 34x2 12x2	AA BB CC DD AA DD CC BB AA CC DD AA BB CC BB AA DD CC
8.	1234 21x2 43x2 1212121 34x3 12x2 4321 2143 12x2 34x3 2121212 43x3 21x2 3412	AB CC DDD AAAA DDD CC BA CD AA BBB CCCC BBB AA DC
9.	1234 21x2 43x2 12x2 1 2 12x2 43x2 21x2 3412	AB CC DD AAA CCC BB A DC
10.	212 434	CC B--Rotation
11.	12 343 2	A BB--Rotation

To eliminate dividing line use SECONDARY threading. 72 nds.

SECONDARY THREADING


20
30
40
50
60
70
B b B b B b
D d D d D d
B b B b B b D d D d D d
B b B b B b
D d D d D d
A a A a A a
C c C c C c
A a A a A a
C c C c C c
A c A c A c
C c C c C c

Adjust treadling to threading.

4-38 SHADOW WEAVE. Opposites development. 30 nds.

PROFILE

C^D	C^D	D_C	D_C
A^B	A^B	B_A	B_A

THREADING 10 20 30

	D_d	B^b	D_d	B^D	b_B	d^D	b_B
C_c	A^a	C_c	A^a	c^C	a_A	c^C	a_A

TREADLE NUMBERS. DARK underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD AA DCB
5. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$	ABCD AA DCBA CDAB CC BADC
6. $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2	AA BB CC DD AA DD CC BB AA CC DD AA BB CC BB AA DD CC
7. $\underline{1}2\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3$ $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}1\underline{2}$	AB CC DD AAA DD CC BA CD AA BB CCC BB AA DC
8. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$	ABCD ABCD AA DCBA DCBA CDAB CDAB CC BADC BADC
9. $\underline{1}2$ $\underline{3}4$x2 $\underline{2}1$x3 $\underline{4}3$x4	A BB CCC DDDD
10. $\underline{4}3\underline{2}1\underline{2}3$	DCC--Rotation
11. $\underline{2}1\underline{2}$ $4\underline{3}4$	CC B--Rotation

To eliminate dividing line use SECONDARY threading. 32 nds.

SECONDARY THREADING 20 30

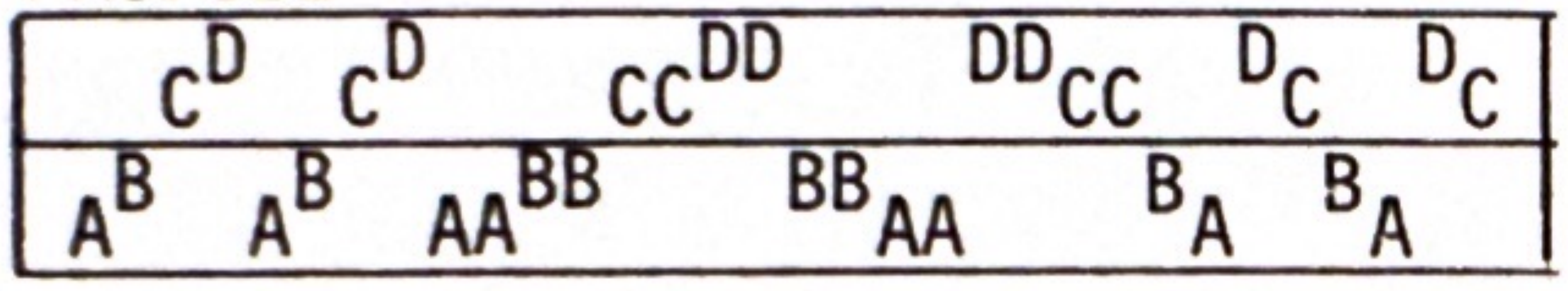
	D_d	B^b	D_d	B^b	D_d	B^b	D_d	B^b
C_c	A^a	C_c	A^a		C_c	A^a	C_c	A^a

readling to threading.

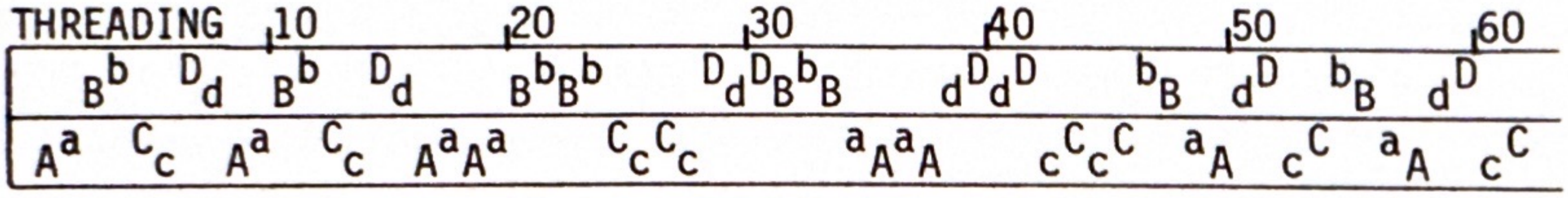
4-39 SHADOW WEAVE. Opposites development. 62 nds.

Based on Draft 4-42

PROFILE


CD CD CCDD DDCC DC DC
AB AB AABB BBAA BA BA

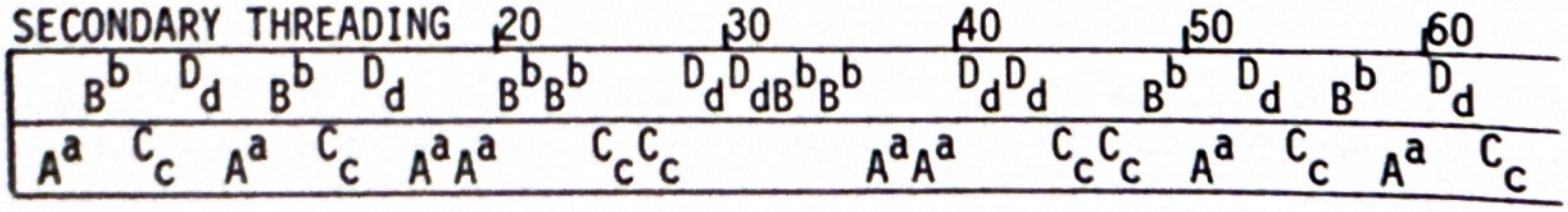
THREADING


10
20
30
40
50
60
Bb Dd Bb Dd BbBb DdDbBB dDdD bB dD bB dD
Aa Cc Aa Cc AaAa CcCc aAaA cCcC aA cC aA cC

TREADLE NUMBERS. Dark underlined.		UNIT-CLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12342143	ABCD
3.	123421 434 1243 2	ABC DD CB
4.	12x2 34x2 21x2 43x2 12x2 34x2 21x2 43x2 1234214 3 213412 43x2 21x2 34x2 12x2 43x2 21x2 34x2 12x2	AA BB CC DD AA BB CC DD ABCD B ADC BB AA DD CC BB AA DD CC
5.	12x2 34x2 21x2 43x2 12342143 1234214 3213412 43213412 43x2 21x2 34x2 12x2	AA BB CC DD ABCD ABCD BADC BADC BB AA DD CC
6.	12x2 34x2 21x2 43x2 12x2 34x2 21x2 43x2 12342143 121 34124321 34x2 12x2 43x2 21x2 34x2 12x2 43x2 2	AA BB CC DD AA BB CC DD ABCD AA DCBA DD CC BB AA DD CC BB
7.	34321 34124321 3412 43x2 21x2 34x2 12x3 43x2 21212 34x2 21x2 43x2 12x2 34x2 2143 12342143 12	BB A DCBA DC BB AA DD CC BB AA BB CC DD AA BB CD ABCD A
8.	12 34x2 21x3 43x4	A BB CCC DDDD
9.	123432	ABB--Rotation
10.	12 34x2 21212 43x2 2	A BB CCC BB
11.	12342143 1234321 34124321 343	ABCD ABBA DCBA D

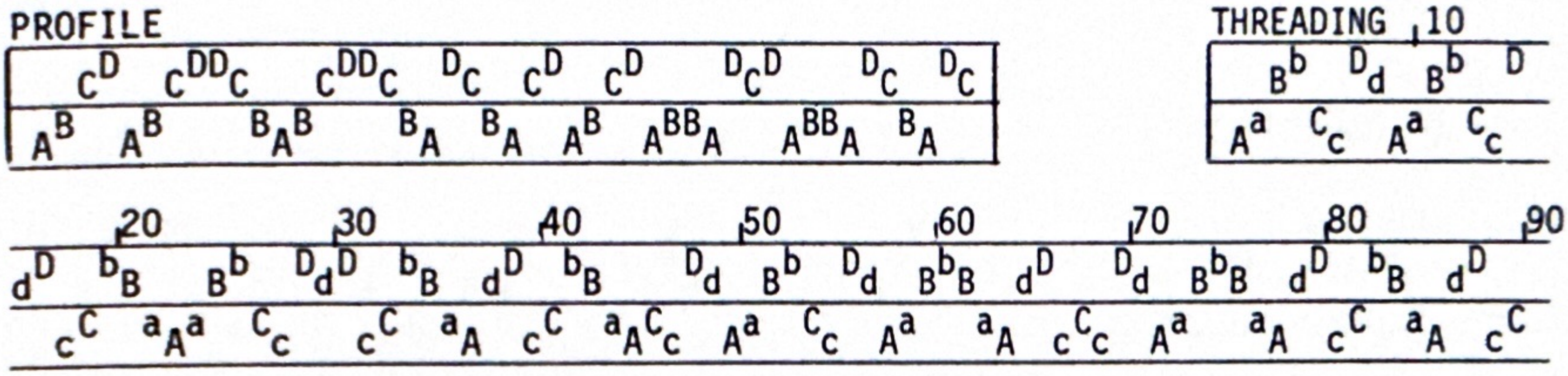
To eliminate dark dividing line use Secondary threading. 64 nds.

SECONDARY THREADING


20
30
40
50
60
Bb Dd Bb Dd BbBb DdDdBbBb DdDd Bb Dd Bb Dd
Aa Cc Aa Cc AaAa CcCc AaAa CcCc Aa Cc Aa Cc

Adjust treadling to threading.

4-40 SHADOW WEAVE. Opposites development 90 nds.


PROFILE
cD cDDc cDDc Dc cD cD DcD Dc Dc
AB AB BAB BA BA AB ABBA ABBA BA
THREADING
10
Bb Dd Bb D
Aa Cc Aa Cc
20 30 40 50 60 70 80 90
dD bB Bb DdD bB dD bB Dd Bb Dd BbB dD Dd BbB dD bB dD
cC aAa Cc cC aA cC aACc Aa Cc Aa aA cCc Aa aA cC aA cC

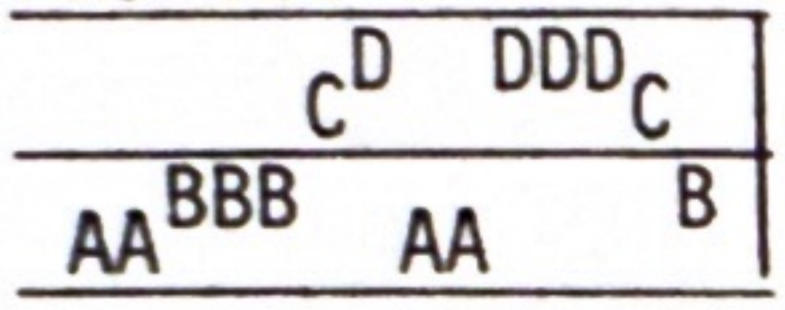
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2$	ABC DD CB
4.	$\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $2\underline{3}1\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$	DD CBA DC BAB CDDC BAB CD ABC DD DD BB ADC BA DCD ABBA DCD AB CDA BB
5.	$\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}$ $\underline{4}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{4}$	BBA DCD ABB DDC BAB CD
6.	$\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}x2$ $1\underline{2}1\underline{2}1$ $\underline{4}3x2$ $\underline{1}2\underline{3}4\underline{3}$ $\underline{4}3\underline{4}1\underline{2}$ $4\underline{3}x2$ $2\underline{1}2\underline{1}2$ $\underline{3}4x2$ $\underline{2}1\underline{4}3\underline{4}$	BBA DD CC DD ABB DDC BB AA BB CDD
7.	$\underline{4}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}$	DDC BA DC BAB CD ABC DD BB A DC BA DCD AB CD·ABB
8.	$\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{3}$	DD CBA DC BA CD AB CD ABB
9.	$\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}$ $3\underline{4}3$ $\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$	DD CBA DCBA DC B CD ABCD ABC DD BBA DC BA DC BA D AB CD AB CDA BB
10.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B--Rotation
11.	$\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}1\underline{4}3$	ABBA DCD

See 8-8 for eight shaft version of this threading.

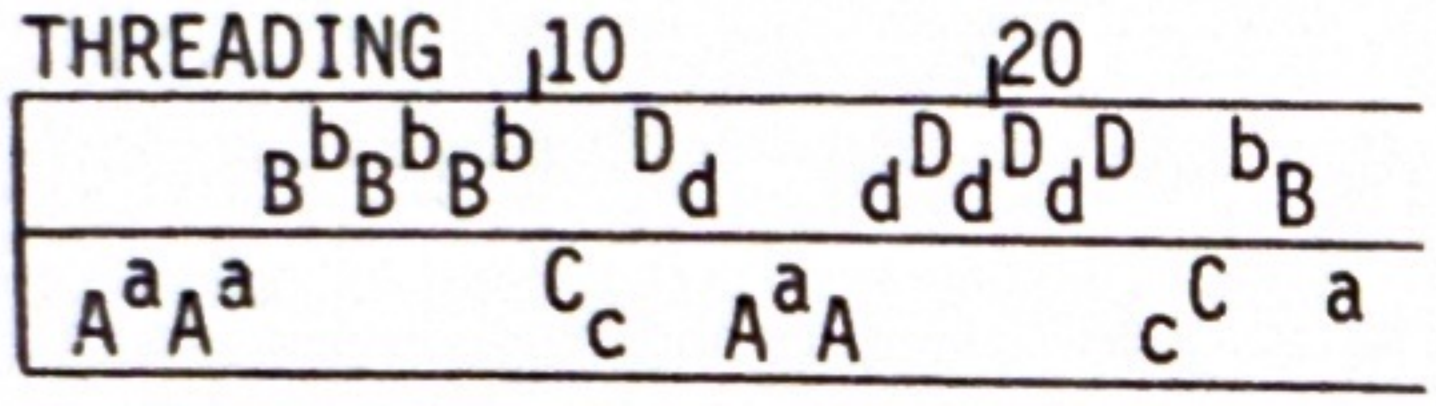
4-41 SHADOW WEAVE. Asymmetrical development. 28 nds.

Hayes' FLECKED DIAMOND, oe NEEDLEPOINT.

PROFILE

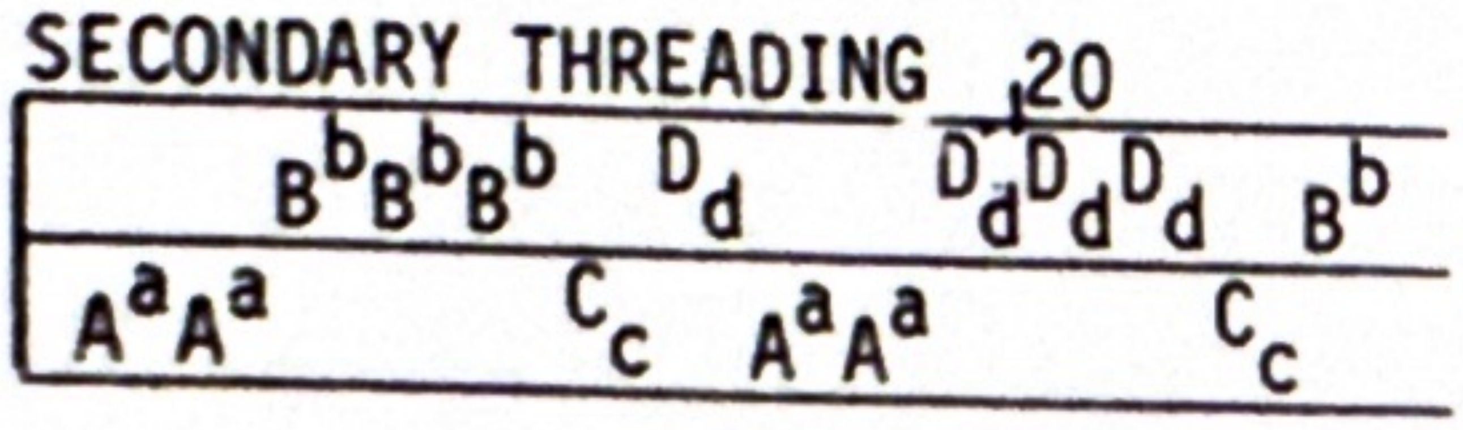


THREADING



TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}$ 2	ABC DD CB
4. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}3$	ABCD AA DCBA D
5. $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x2 $\underline{3}4$x2 $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}4\underline{3}4$ $\underline{2}1$x2 $\underline{4}3$x2	ABC DD AA BBB AA DD CBA DD CC BB CC DD
6. $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}3$	AA BB CC DD AA DD CC BB AA D
7. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}$ 2	ABCD ABC DD CBA DCB
8. $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $\underline{3}4\underline{3}$ $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2	AA BB CC DD BB AA DD CC
9. $\underline{1}2$ $\underline{3}4$x2 $\underline{2}1$x3 $\underline{4}3$x4	A BB CCC DDDD
10. $\underline{1}2\underline{3}4\underline{3}2$	A BB--Rotation
11. $\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B--Rotation

SECONDARY THREADING



Adjust treadling to threading.

4-42 SHADOW WEAVE. Asymmetrical development. 32 nds.

PROFILE

$C^D\ \ C^D\ \ \ \ CC^{DD}$
$A^B\ \ A^B\ \ AA^{BB}$

THREADING 10 20 30

$B^b\ \ D_d\ \ B^b\ \ D_d\ \ \ \ B^bB^b\ \ \ \ D_dD_d$
$A^a\ \ C_c\ \ A^a\ \ C_c\ \ A^aA^a\ \ \ \ C_cC_c$

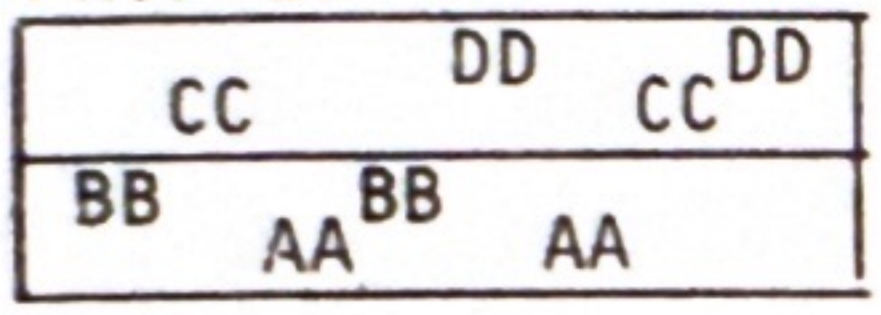
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4\underline{2}1\ \underline{4}3\underline{4}\ 1\underline{2}4\underline{3}2$	ABC DD CB
4.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\times2$ $\underline{3}4\times2\ \underline{2}1\times2\ \underline{4}3\underline{4}\ 1\underline{2}\times2\ 4\underline{3}\times2$ $2\underline{1}\times2\ 3\underline{4}1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}1\underline{2}4\underline{3}2$	ABCD ABCD AA BB CC DD CC BB AA DCBA DCB
5.	$\underline{1}2\ \underline{3}4\times2\ \underline{2}1\times2\ \underline{4}3\times2\ \underline{1}2\times2$ $\underline{3}4\underline{3}\ 2\underline{1}\times2\ 3\underline{4}\times2\ 1\underline{2}\times2\ 4\underline{3}\times2\ 2$	AA BB CC DD AA BB AA DD CC BB
6.	$\underline{1}2\ \underline{3}4\times2\ \underline{2}1\times2\ \underline{4}3\times2\ \underline{1}2\underline{3}4\underline{2}1$ $\underline{4}3\underline{4}\ 1\underline{2}4\underline{3}2\underline{1}\ 3\underline{4}\times2\ 1\underline{2}\times2\ 4\underline{3}\times2\ 2$	AA BB CC DD ABC DD CBA DD CC BB
7.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3\ \underline{1}2\underline{3}4\underline{2}1\ \underline{4}3\underline{4}\ 1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\ \underline{1}2\ \underline{3}4\times2\ \underline{2}1\times2\ \underline{4}3\underline{4}$ $1\underline{2}\times2\ 4\underline{3}\times2\ 2\underline{1}2$	ABCD ABC DD CBA DCB A BB CC DD CC BB AA
8.	$\underline{1}2\times2\ \underline{2}1\times2$	AA CC
9.	$\underline{1}3\underline{2}3\ \times4$ $\underline{1}4\underline{2}4\ \times4$	Summer and Winter treadling.
10.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
11.	$4\underline{3}\ 2\underline{1}2\ \underline{3}4\ \underline{2}1\underline{2}$	B A B CC--Rotation

Preferred and Secondary threading the same.

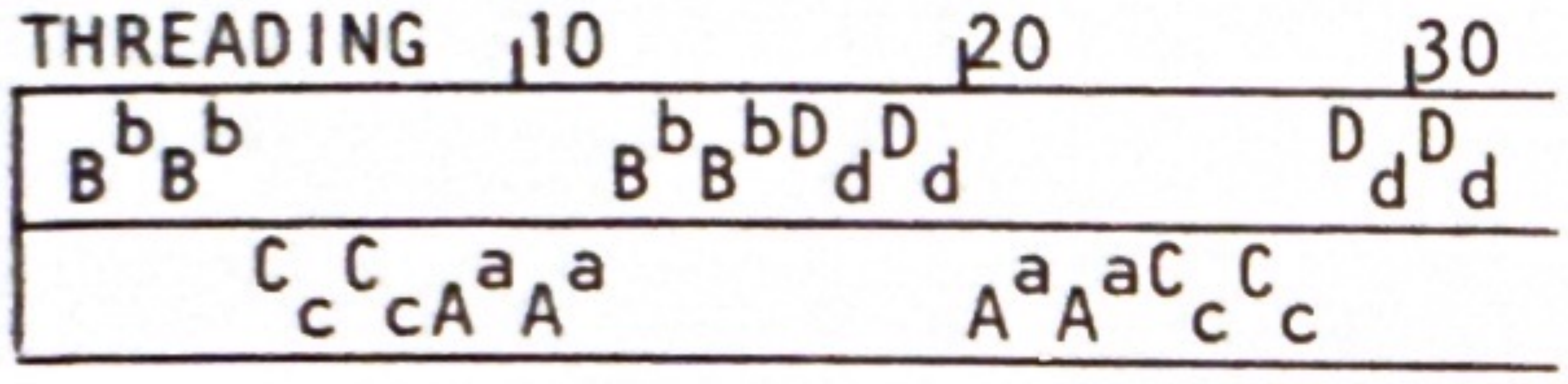
4-43 SHADOW WEAVE. Asymmetrical development. **32 nds.**

Osler & Dale #421. Offset twill.

PROFILE



THREADING



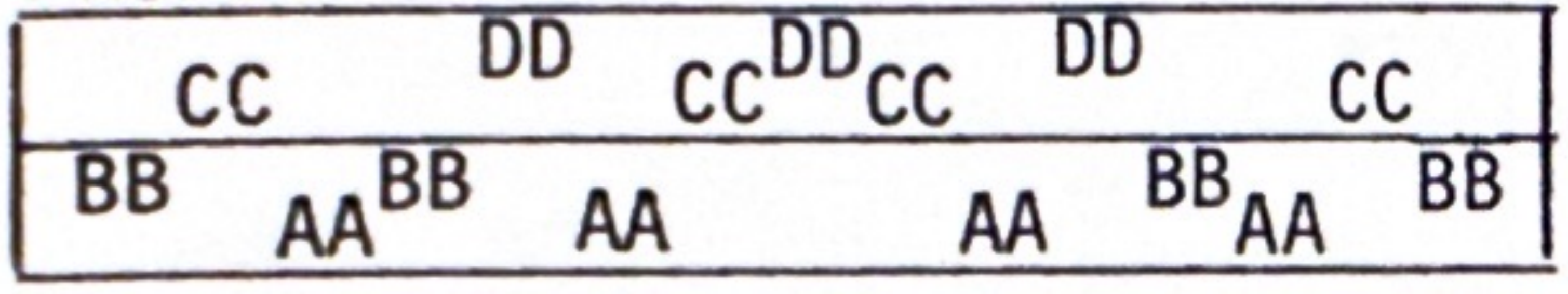
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{4}1\underline{2}$ $4\underline{3}2$	AB CDDC B
4.	$\underline{1}2\text{x}2$ $\underline{3}4\text{x}2$ $\underline{2}1\text{x}2$ $\underline{4}3\text{x}2$	AA BB CC DD
5.	$\underline{1}2$ $\underline{3}4\text{x}2$ $\underline{2}1\text{x}2$ $\underline{4}3\underline{4}$ $1\underline{2}\text{x}2$ $4\underline{3}\text{x}2$ 2	A BB CC DD CC BB
6.	$\underline{2}1\text{x}3$ $\underline{4}3\text{x}2$ $\underline{3}4\text{x}2$ $\underline{1}2\text{x}2$	CC DD BB AA
7.	$\underline{1}2$ $\underline{3}4\text{x}2$ $\underline{2}1\text{x}3$ $\underline{4}3\text{x}4$	A BB CCC DDD
8.	$\underline{1}2$ $\underline{3}4\text{x}2$ $\underline{2}1\text{x}3$ $\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\text{x}3$ $4\underline{3}\text{x}2$ 2	A BB CCC DDDD CCC BB
9.	$\underline{1}2\underline{3}4$ $\underline{2}1\underline{2}$ $4\underline{3}2$	AB CC B--Rotation
10.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation
11.	$\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $\underline{4}3\underline{2}1\underline{2}3\underline{4}$	ABBA DCCD

Preferred and Secondary threading the same.

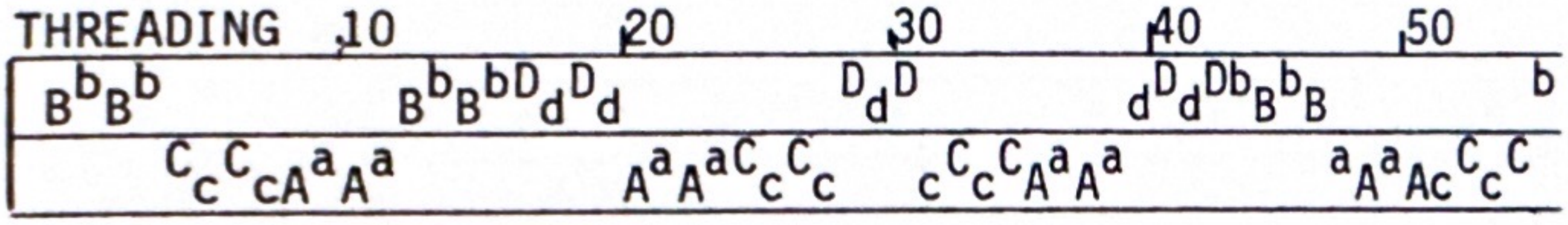
Pattern is somewhat indistinct in fine materials, but striking with heavy or medium warp and filler--particularly with strong color contrast.

4-44 SHADOW WEAVE. Symmetrical development of threading 4-43. 56 nds.

PROFILE

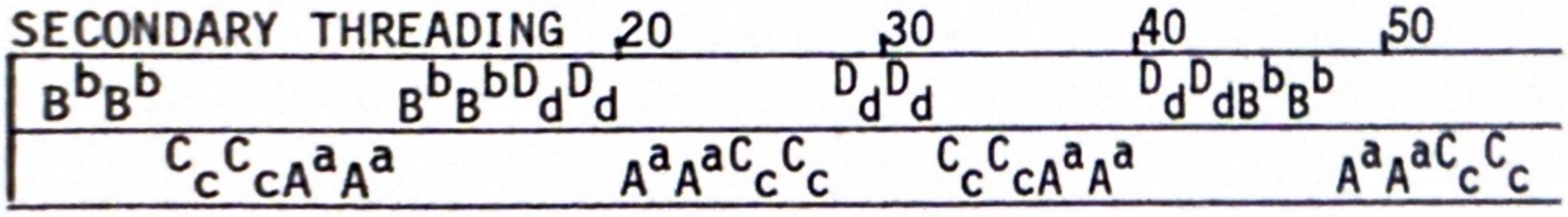

CC DD CC DD CC DD CC
BB AA BB AA AA BB AA BB

THREADING


10 20 30 40 50
BbBb BbBbDdDd DdD dDdDbBbB b
CcCcAaAa AaAaCcCc cCcCAaAa aAaAcCcC

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading
2.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2	AA BB CC DD
3.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3$\underline{4}$3$\underline{4}$ 1$\underline{2}$x2 4$\underline{3}$x2 2	AA BB CC DDD CC BB
4.	$\underline{1}$2$\underline{3}$4$\underline{2}$1$\underline{4}$3 $\underline{1}$2$\underline{1}$ 3$\underline{4}$1$\underline{2}$4$\underline{3}$2$\underline{1}$ 3$\underline{4}$3	ABCD AA DCBA D
5.	$\underline{1}$2x3 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x3 $\underline{1}$2$\underline{1}$2$\underline{1}$2$\underline{1}$ 3$\underline{4}$x3 1$\underline{2}$x2 4$\underline{3}$x2 2$\underline{1}$x3 3$\underline{4}$3$\underline{4}$3$\underline{4}$3	AAA BB CC DDD AAAA DDD CC BB AAA DDD
6.	$\underline{1}$2x2 $\underline{4}$3x2 $\underline{3}$4x2 $\underline{2}$1$\underline{2}$1$\underline{2}$ 4$\underline{3}$x2 3$\underline{4}$x2 2	AA DD BB CCC BB DD
7.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1$\underline{2}$ 4$\underline{3}$x2 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$x2 4$\underline{3}$4 2$\underline{1}$x2 4$\underline{3}$x2	AA BB CC BB AA DD CC B CC DD
8.	$\underline{1}$2x2 $\underline{3}$4$\underline{3}$ 2$\underline{1}$x2 2 $\underline{2}$1x2 $\underline{4}$3$\underline{4}$ 1$\underline{2}$x2 1	AA BB AA CC DD CC
9.	$\underline{1}$2x2 $\underline{3}$4$\underline{3}$ 2$\underline{1}$x2 $\underline{2}$1x2 $\underline{4}$3$\underline{4}$ 1$\underline{2}$x2	AA BB AA CC DD CC
10.	$\underline{1}$2$\underline{3}$4$\underline{3}$2	ABB--Rotation
11.	$\underline{3}$4$\underline{3}$ 1$\underline{2}$1	BB C--Rotation

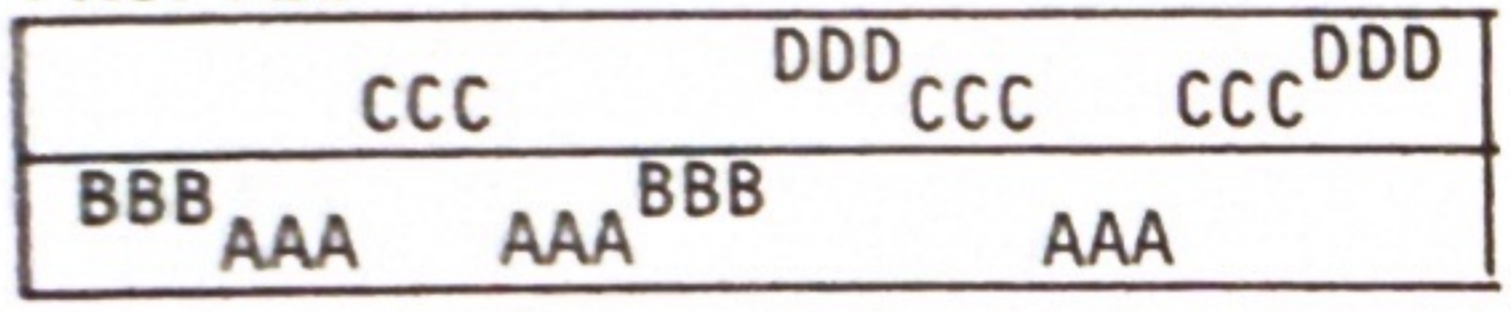
SECONDARY THREADING


20 30 40 50
BbBb BbBbDdDd DdDd DdDdBbBb
CcCcAaAa AaAaCcCc CcCcAaAa AaAaCcCc

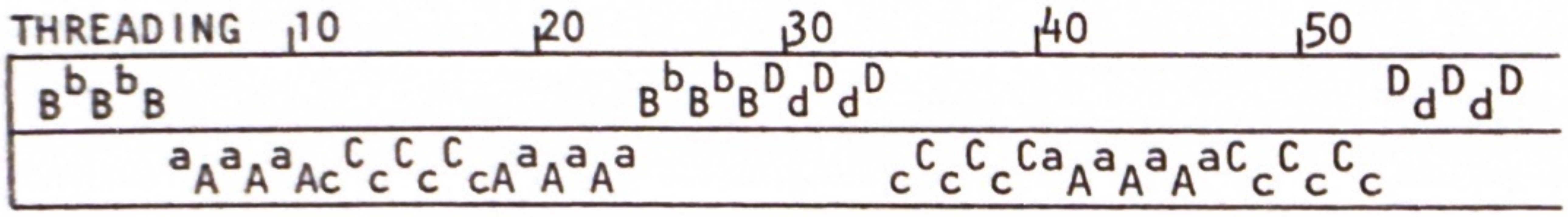
Adjust treadling to threading. 56 nds.

4-45 SHADOW WEAVE. Opposites development in block form. 58 nds.

PROFILE


CCC
DDD CCC
CCC DDD
BBB AAA
AAA BBB
AAA

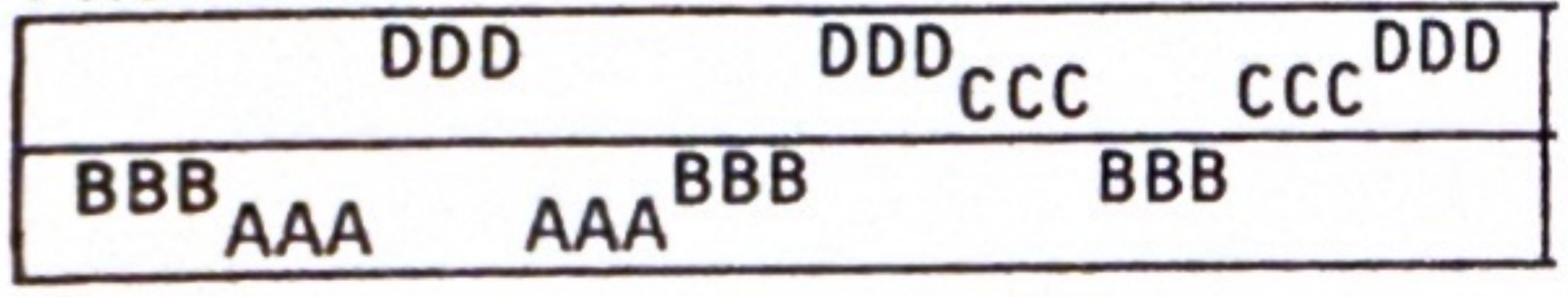
THREADING


10
20
30
40
50
BbBbB
BbBbBDdDdD
DdDdD
aAaAaAcCcCcCcAaAaAa
cCcCcCaAaAaAaCcCcCc

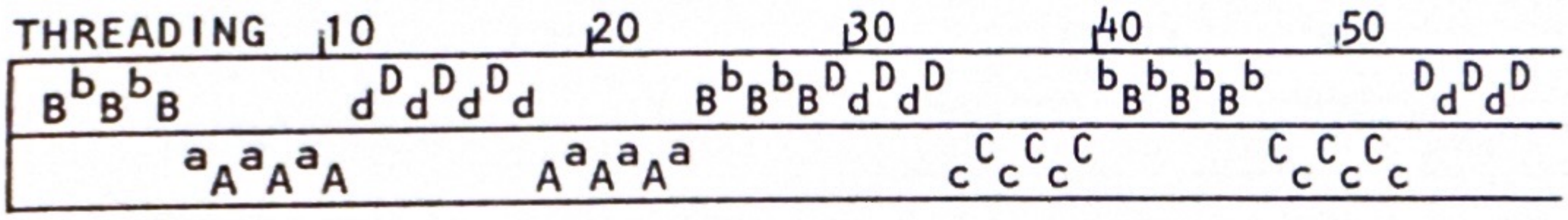
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x3 34x3 21x3 43x3	AAA BBB CCC DDD
3.	12x3 34x3 21x3 43434 12x3 43x3 2	AAA BBB CCC DDD CCC BBB
4.	12x3 34x3 21x3 43434 12x3 43x3 21x3 21x3 43x3 12x3 34343 21x3 34x3 12x3	AAA BBB CCC DDD CCC BBB AAA CCC DDD AAA BBB AAA DDD CCC
5.	34x3 21x3 43434 12x3 43x3 43x3 12x3 34343 21x3 34x3	BBB CCC DDD CCC BBB DDD AAA BBB AAA DDD
6.	21x3 43434 12x3 12x3 34343 21x3	CCC DDD CCC AAA BBB AAA
7.	21x3 43x3 34343 34x3 12x3 12x3 34x3 43434 43x3 21x3	CCC DDD BBB DDD CCC AAA BBB DDD BBB AAA
8.	43x3 12x3 21212 21x3 34x3 34x3 21x3 12121 12x3 43x3	DDD AAA CCC AAA DDD BBB CCC AAA CCC BBB
9.	21x2 43x2 21212 34x2 12x2 12x2 34x2 12121 43x2 21x2	CC DD CCC DD CC AA BB AAA BB AA
10.	21x2 43x3 3434343 34x3 12x2 12x2 34x3 4343434 43x3 21x2	CC DDD BBBB DDD CC AA BBB DDDD BBB AA
11.	123432	ABB--Rotation

4-46 SHADOW WEAVE. Opposites development in block form. 58 nds.

PROFILE



THREADING



TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$	ABCD
3. $\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x3 2	AAA BBB CCC DDD CCC BBB
4. $\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x3 $2\underline{1}$x3 $\underline{2}1$x3 $\underline{4}3$x3 $\underline{1}2$x3 $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x3 $3\underline{4}$x3 $1\underline{2}$x3	AAA BBB CCC DDD CCC BBB AAA CCC DDD AAA BBB AAA DDD CCC
5. $\underline{1}2$x3 $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3	AAA BBB AAA CCC DDD CCC
6. $\underline{3}4$x2 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $4\underline{3}$x3 $\underline{4}3$x3 $\underline{1}2$x3 $\underline{3}4\underline{3}4\underline{3}$ $2\underline{1}$x3 $3\underline{4}$x3	BBB CCC DDD CCC BBB DDD AAA BBB AAA DDD
7. $\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x3 $2\underline{1}$x3 $\underline{2}1$x3 $\underline{4}3$x3 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x3 $1\underline{2}$x3	AAA BBB CCC BBB AAA CCC DDD AAA DDD CCC
8. $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2\underline{1}2\underline{1}$ $3\underline{4}$x2 $1\underline{2}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{1}2$x2 $\underline{3}4$x2 $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x2 $2\underline{1}$x2 $3\underline{4}$x2 $1\underline{2}$x2	AA BB CC DD AAA DD CC DD AA CC DD AA BB CCC BB AA DD CC
9. $\underline{1}2\underline{3}4\underline{2}1\underline{4}3$ $\underline{1}2\underline{3}4\underline{2}1$ $43\underline{4}$ $1\underline{2}4\underline{3}2\underline{1}$ $3\underline{4}1\underline{2}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{1}2\underline{3}4$ $\underline{2}1\underline{4}3\underline{1}2$ $\underline{3}4\underline{3}$ $2\underline{1}3\underline{4}1\underline{2}$ $4\underline{3}2\underline{1}3\underline{4}1\underline{2}$	ABCD ABC DD CBA DCBA CDAB CDA BB AC BADC
10. $\underline{3}4$x3 $\underline{4}3\underline{4}3\underline{4}3\underline{4}3\underline{4}3\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $4\underline{3}$x3 $\underline{4}3$x3 $\underline{3}4\underline{3}4\underline{3}4\underline{3}4\underline{3}4\underline{3}4\underline{3}4\underline{3}4\underline{3}$ $3\underline{4}$x3	BBB DDDDDDDDD BBB DDD BBBBBBBBB DDD
11. $\underline{3}4\underline{3}4\underline{3}$ $1\underline{2}1\underline{2}1$	BBB CC

4-47 SHADOW WEAVE. Opposites development 42 nds.

PROFILE

$CCC^{DDDDD}CCC$
$AAA^{BBBBB}AAA$

THREADING 10 20 30 40

$B^{b}B^{b}B^{b}B^{b}B$ $D_{d}D_{d}D_{d}D_{d}D$
$A^{a}A^{a}A^{a}$ ${}^{a}A^{a}A^{a}A^{C}c^{C}c^{C}c$ $c^{C}c^{C}c^{C}$

TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 1̲2x3 3̲4x3 2̲1x3 4̲3x3	AAA BBB CCC DDD
3. 1̲2x2_3̲4x3 2̲1x3 4̲34̲34̲ 12̲x3 43̲x3 2	AA BBB CCC DDD CCC BBB
4. 4̲34̲ 12̲x2 43̲43̲43̲4 2̲1x2 4̲34̲ 3̲43̲ 21̲x2 34̲34̲34̲3 1̲2x2 3̲43̲	DD CC BBB CC DD BB AA DDD AA BB
5. 1̲21̲ 34̲x2 43̲43̲43̲4 4̲3x2 1̲21̲ 2̲12̲ 43̲x2 34̲34̲34̲3 3̲4x2 2̲12̲	AA DD BBB DD AA CC BB DDD BB AA
6. 1̲2x3 4̲34̲34̲34̲34̲ 21̲x3 2̲1x3 3̲43̲43̲43̲43̲ 12̲x3	AAA DDDDD AAA CCC BBBBB CCC
7. 1̲ 21̲x2 34̲x3 43̲43̲43̲4 4̲3x3 1̲ 21̲x2 2̲ 12̲x2 43̲x3 34̲34̲34̲3 3̲4x3 2̲ 12̲x2	AAA DDD BBB DDD AAA CCC BBB DDD BBB CCC
8. 4̲ 34̲x2 43̲43̲43̲43̲43̲4 4̲ 34̲x2 3̲ 43̲x2 34̲34̲34̲34̲34̲3 3̲ 43̲x2	DDD BBBBB DDD BBB DDDDD BBB
9. 1̲2x2 3̲4x2 4̲34̲34̲ 43̲x2 21̲x2 2̲1x2 4̲3x2 3̲43̲43̲ 34̲x2 12̲x2	AA BB DDD BB AA CC DD BBB DD CC
10. 1̲23̲43̲2 x3 1̲ 4̲32̲12̲3 x3 4̲	ABBABBABBA DCCDCCDCCD
11. 1̲23̲43̲2	ABB--Rotation

To eliminate dividing lines use Secondary threading. 44 nds.

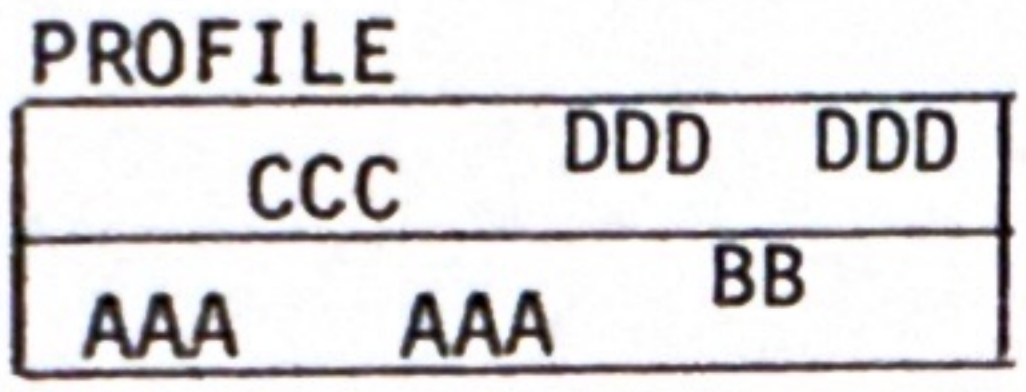
SECONDARY THREADING 20 30 40

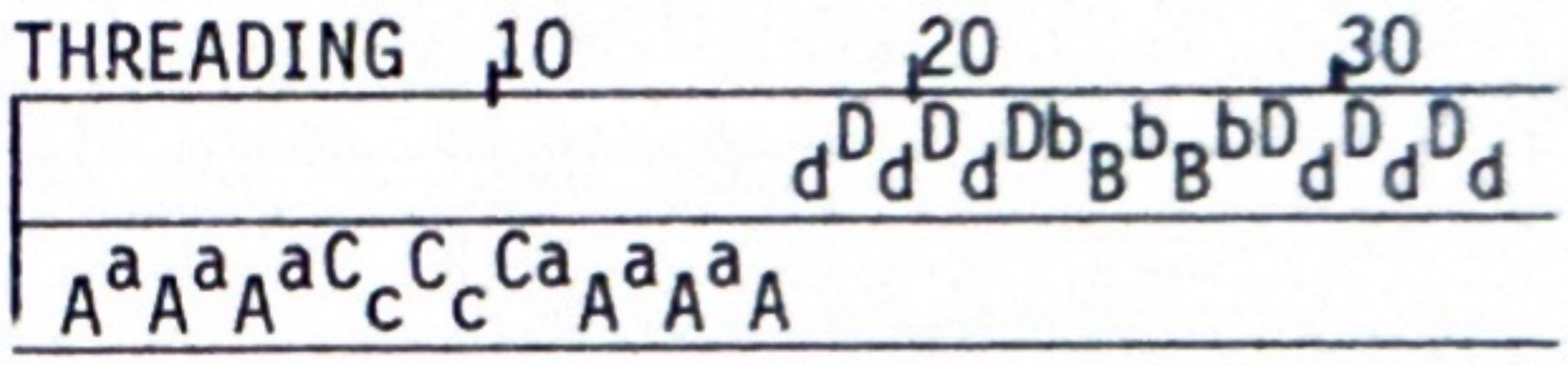
$B^{b}B^{b}B^{b}B^{b}B^{b}$ $D_{d}D_{d}D_{d}D_{d}D_{d}$
$A^{a}A^{a}A^{a}$ $A^{a}A^{a}A^{a}C_{c}C_{c}C_{c}$ $C_{c}C_{c}C_{c}$

Adjust treadling to threading.

4-48 SHADOW WEAVE.

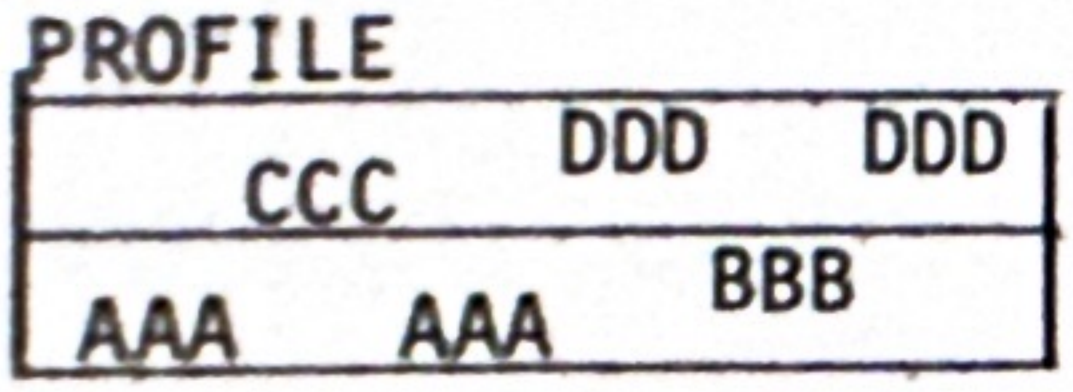
34 nds.

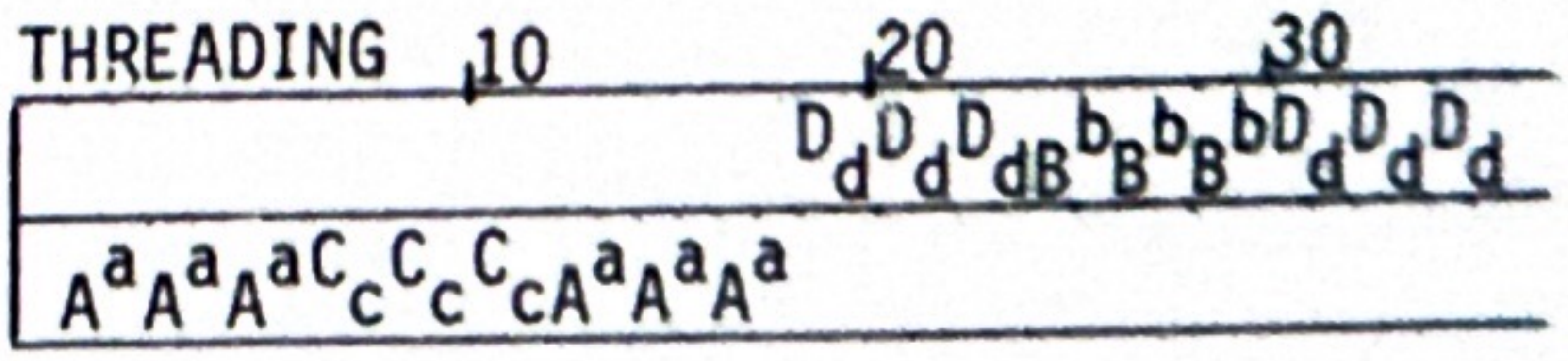




	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3$x3	AAA BBB CCC DDD
3.	$\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 $\underline{34}$x3 2	AA BBB CCC DDD CCC BBB
4.	$\underline{4}$ $3\underline{4}$x2 $1\underline{2}1\underline{2}1\underline{2}1$ $\underline{4}3$x2 $\underline{4}$ $4\underline{3}$x3 $2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4$x3	DDD CCC DDD BBB AAA BBB
5.	$\underline{4}$ $3\underline{4}$x2 $1\underline{2}$x4 $3\underline{4}3\underline{4}3\underline{4}3$ $\underline{2}1$x4 $\underline{4}$ $3\underline{4}$x2 $\underline{3}$ $4\underline{3}$x2 $2\underline{1}$x4 $4\underline{3}4\underline{3}4\underline{3}4$ $1\underline{2}$x4 $\underline{3}$ $4\underline{3}$x2	DDD CCCC DDD CCCC DDD BBB AAA BBB AAA BBB
6.	$3\underline{4}$x3 $1\underline{2}$x3 $4\underline{3}4\underline{3}4\underline{3}4$ $\underline{2}1$x3 $\underline{4}3$x3 $\underline{3}4\underline{3}4\underline{3}4\underline{3}$	DDD CCC BBB CCC DDD BBBB
7.	$\underline{1}2$x2 $\underline{3}4$x3 $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}$x3 2	AA BBB CCC BBB
8.	$\underline{3}4$x2 $\underline{2}1$x3 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x3 4	BB CC DDD CCC
9.	$\underline{4}3\underline{4}3\underline{4}3\underline{4}$ $4\underline{3}$x2 $1\underline{2}$x3 $2\underline{1}2\underline{1}2\underline{1}2$ $\underline{2}1$x3 $\underline{3}4$x3	DDDD BBB CCC AAA CCC BBB
10.	$\underline{1}2\underline{3}4\underline{3}2$	ABB --Rotation

With Secondary threading profile will be changed to allow block "B" equal number of units as in other blocks. This change requires 2 more nds. in threading draft, a total of 36.



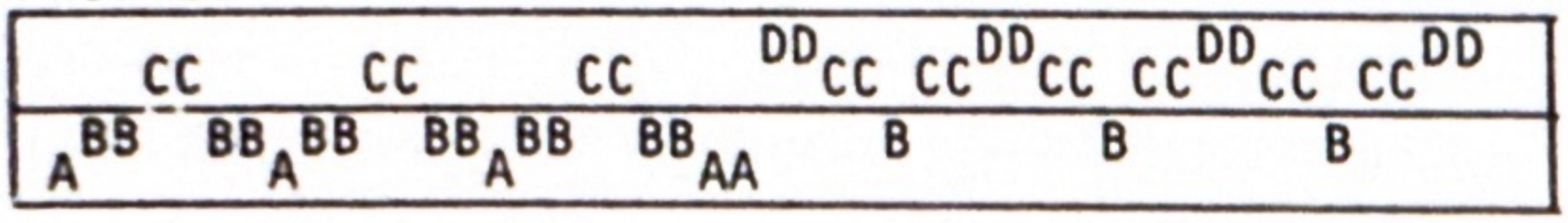


Adjust treadling to threading.

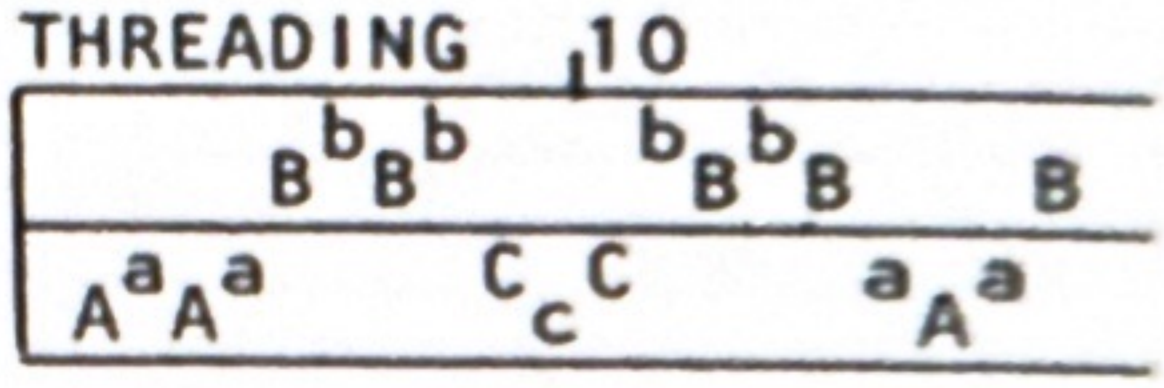
4-49 SHADOW WEAVE

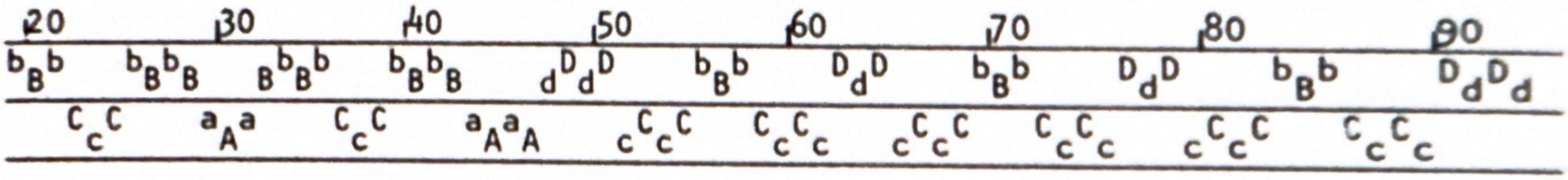
94 nds.

PROFILE


CC CC CC DD CC CC DD CC CC DD CC CC DD
A BB BB A BB BB A BB BB AA B B B

THREADING

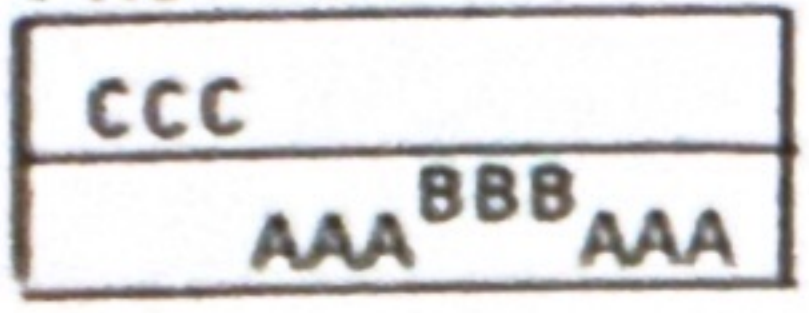



20
30
40
50
60
70
80
90
b B b b B b B B b B b b B b B d D d D b B b D d D b B b D d D b B b D d D d
C c C a A a C c C a A a A c C c C C c C c c C c C C c C c c C c C C c C c

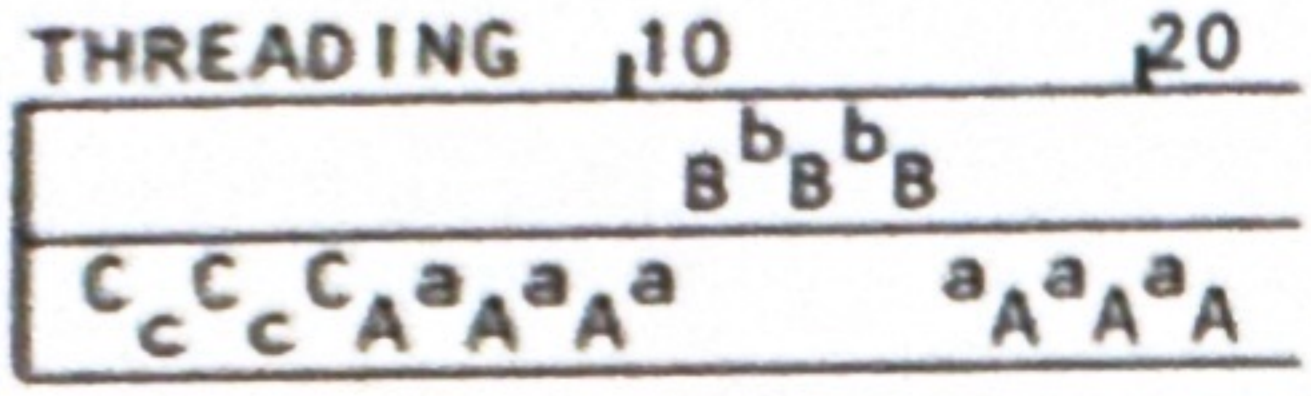
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2	AA BB CC DD
3.	$\underline{1}$2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3$\underline{4}$ 1$\underline{2}$x2 4$\underline{3}$x2 2	A BB CC DD CC BB
4.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2 $\underline{1}$2x2 $\underline{3}$4$\underline{3}$ 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$x2 4$\underline{3}$x2 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$1 $\underline{4}$3x2	AA BB CC DD AA CC AA DD CC BB
5.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2 $\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3$\underline{4}$ 1$\underline{2}$x2 4$\underline{3}$x2 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$x2 4$\underline{3}$x2 2$\underline{1}$x2 3$\underline{4}$x2 1$\underline{2}$x2 4$\underline{3}$x2 2$\underline{1}$2 $\underline{3}$4x2 $\underline{2}$1x2 $\underline{4}$3x2	AA BB CC DD AA BB CC DD CC BB AA DD CC BB AA DD CC BB A BB CC DD
6.	$\underline{1}$2 $\underline{3}$4x2 $\underline{2}$1x3 $\underline{4}$3$\underline{4}$3$\underline{4}$3$\underline{4}$ 1$\underline{2}$x2 4$\underline{3}$x2 2	A BB CCC DDDD CCC BB
7.	$\underline{1}$2x2 $\underline{3}$4x2 $\underline{2}$1$\underline{2}$ 4$\underline{3}$x2 2$\underline{1}$x2 $\underline{2}$1x2 $\underline{4}$3x2 $\underline{1}$2$\underline{1}$ 3$\underline{4}$x2 1$\underline{2}$x2	AA BB CC BB AA CC DD AA DD CC
8.	$\underline{1}$2 $\underline{3}$4x2 $\underline{2}$1x3 $\underline{4}$3x4 $\underline{1}$2$\underline{1}$2$\underline{1}$ 3$\underline{4}$x4 1$\underline{2}$x3 4$\underline{3}$x2 2	AA BB CCC DDDD AAA DDDD CCC BB
9.	$\underline{4}$3$\underline{4}$ 1$\underline{2}$x2 4$\underline{3}$x3 2$\underline{1}$2$\underline{1}$2$\underline{1}$2$\underline{1}$2 $\underline{3}$4x3 $\underline{2}$1x2	DD CC BBB AAAA BBB CC
10.	$\underline{1}$2$\underline{1}$ 4$\underline{3}$4	AA B--Rotation

4-50 SHADOW WEAVE. Three block development. 22 nds.

PROFILE



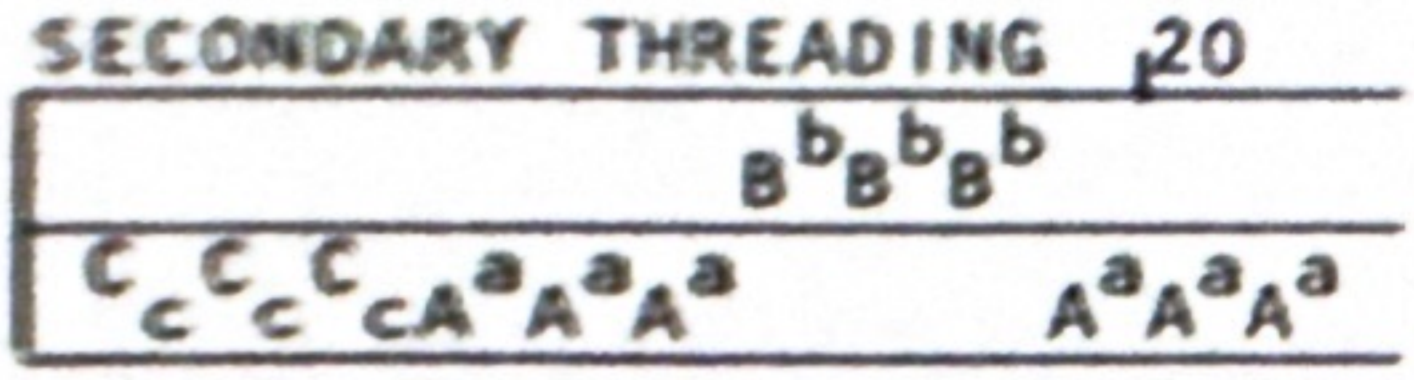
THREADING



TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. $\underline{1}2\times3$ $\underline{3}4\times3$ $\underline{2}1\times3$ $\underline{4}3\times3$	AAA BBB CCC DDD
3. $\underline{1}2\times3$ $\underline{3}4\times3$ $\underline{2}1\times3$ $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\times3$ $4\underline{3}\times3$ 2	AAA BBB CCC DDD CCC BBB
4. $\underline{3}4\times3$ $\underline{2}1\times3$ $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\times3$ $4\underline{3}\times3$ $2\underline{1}2\underline{1}2$	AAA CCC DDD CCC BBB AAA
5. $\underline{2}1\times3$ $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\times3$ $\underline{1}2\underline{1}2\underline{1}$	CCC DDD CCC AAA
6. $\underline{1}2\underline{1}2\underline{1}$ $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}4\underline{3}4$ $\underline{2}1\underline{2}1\underline{2}$	AAA CCC BBB CCC
7. $\underline{1}2\underline{1}2\underline{1}$ $\underline{2}1\underline{2}1\underline{2}$ $4\underline{3}4\underline{3}4\underline{3}4\underline{3}4$ $\underline{2}1\underline{2}1\underline{2}$	AAA CCC BBBB CCC
8. $2\underline{1}2\underline{1}2$ $\underline{4}3\underline{4}3\underline{4}$ $2\underline{1}2\underline{1}2$ $\underline{3}4\underline{3}4\underline{3}$	AA DDD AA BBB
9. $\underline{4}3\times3$ $\underline{2}1\underline{2}1\underline{2}$ $3\underline{4}\times3$ $4\underline{3}4\underline{3}4$	DDD CCC DDD BB
10. $\underline{4}3\times3$ $\underline{2}1\underline{2}1\underline{2}$ $3\underline{4}\times3$ $\underline{3}4\underline{3}4\underline{3}$	DDD CCC DDD BBB
11. $\underline{3}4\underline{3}$ $1\underline{2}1$	BB C--Rotation.

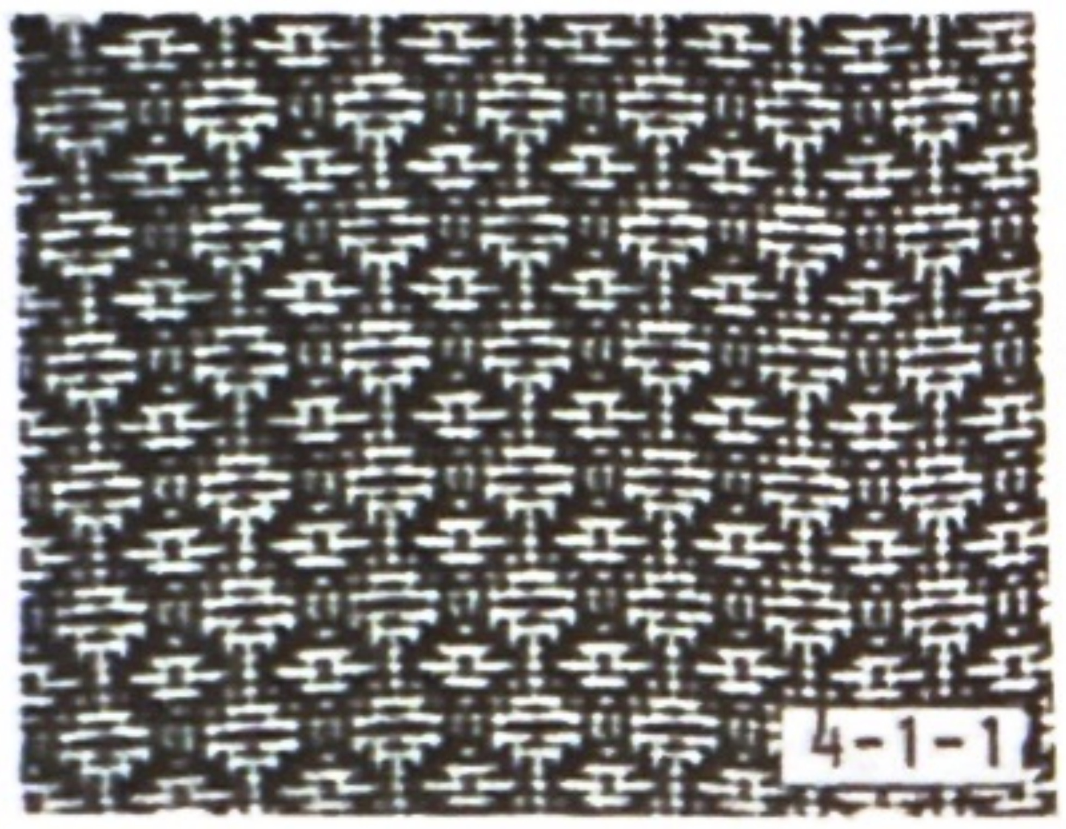
Use Secondary threading to eliminate dividing lines. 24 nds.

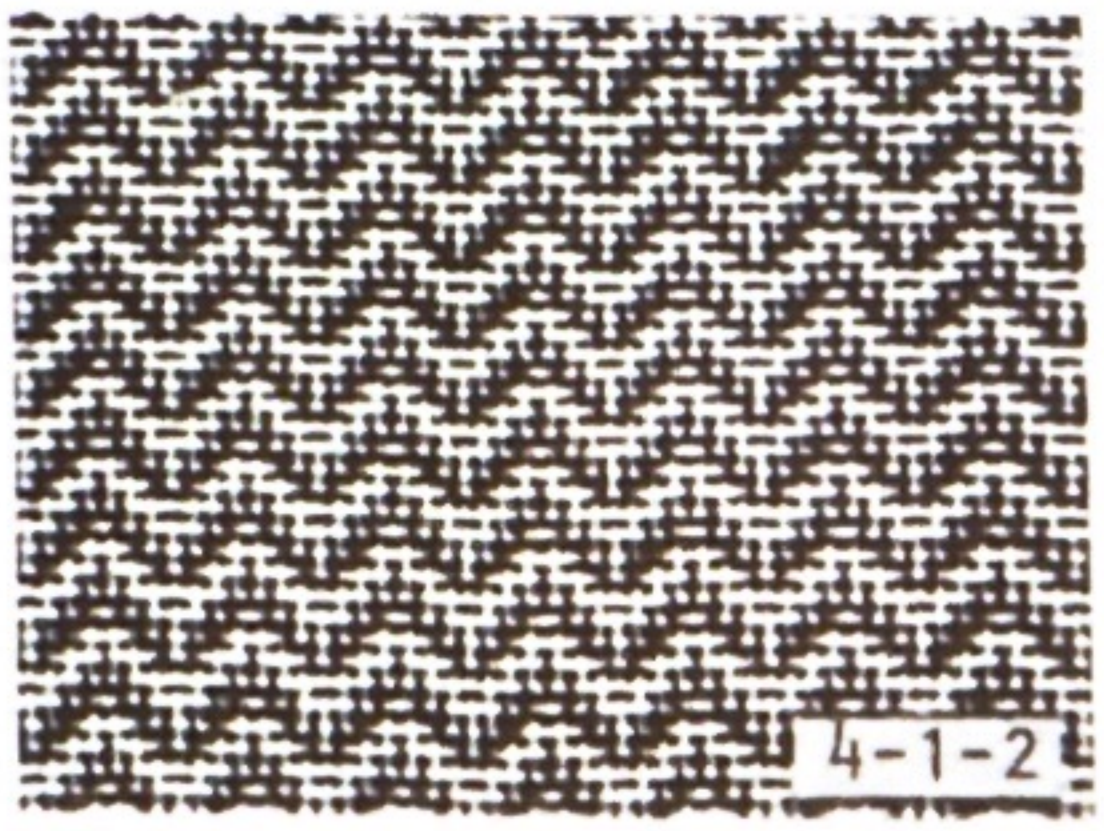
SECONDARY THREADING

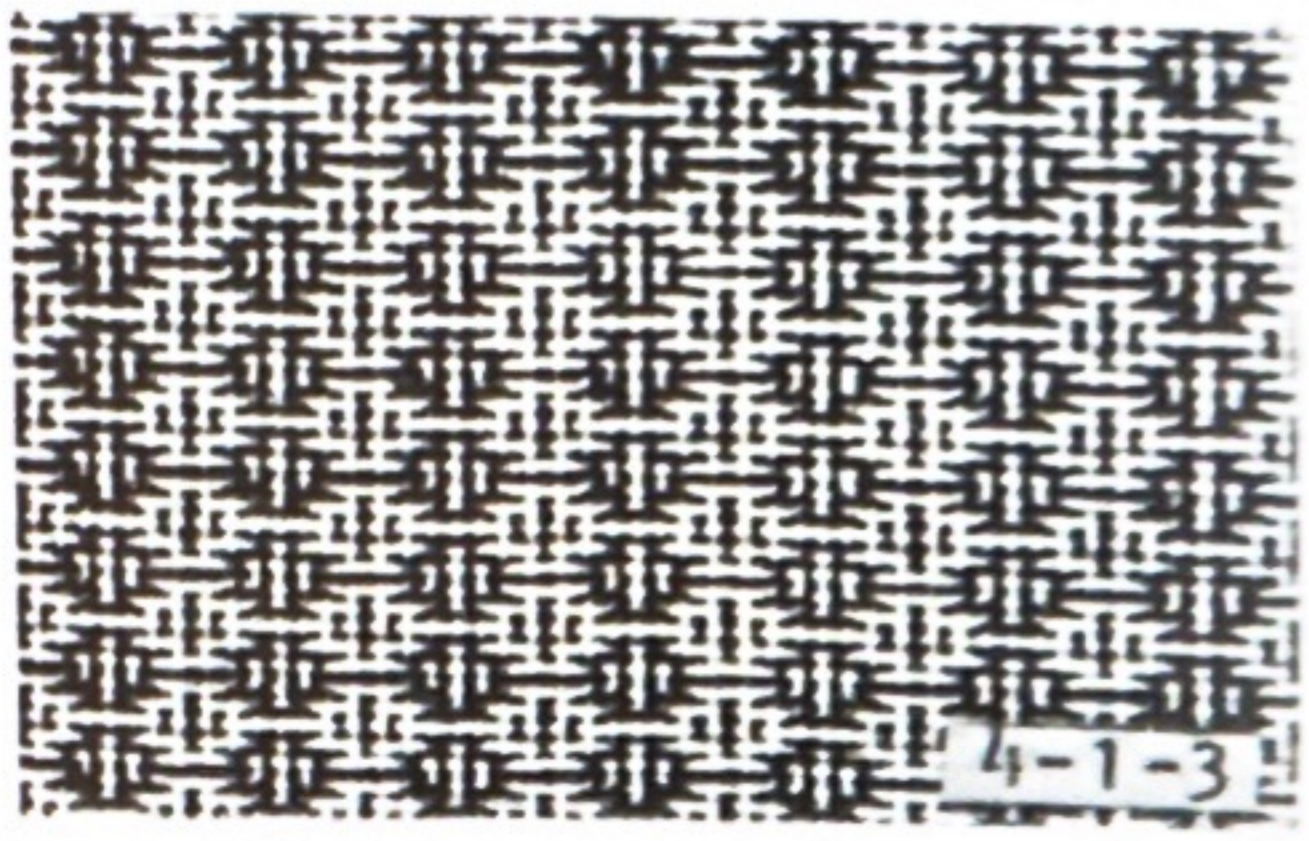


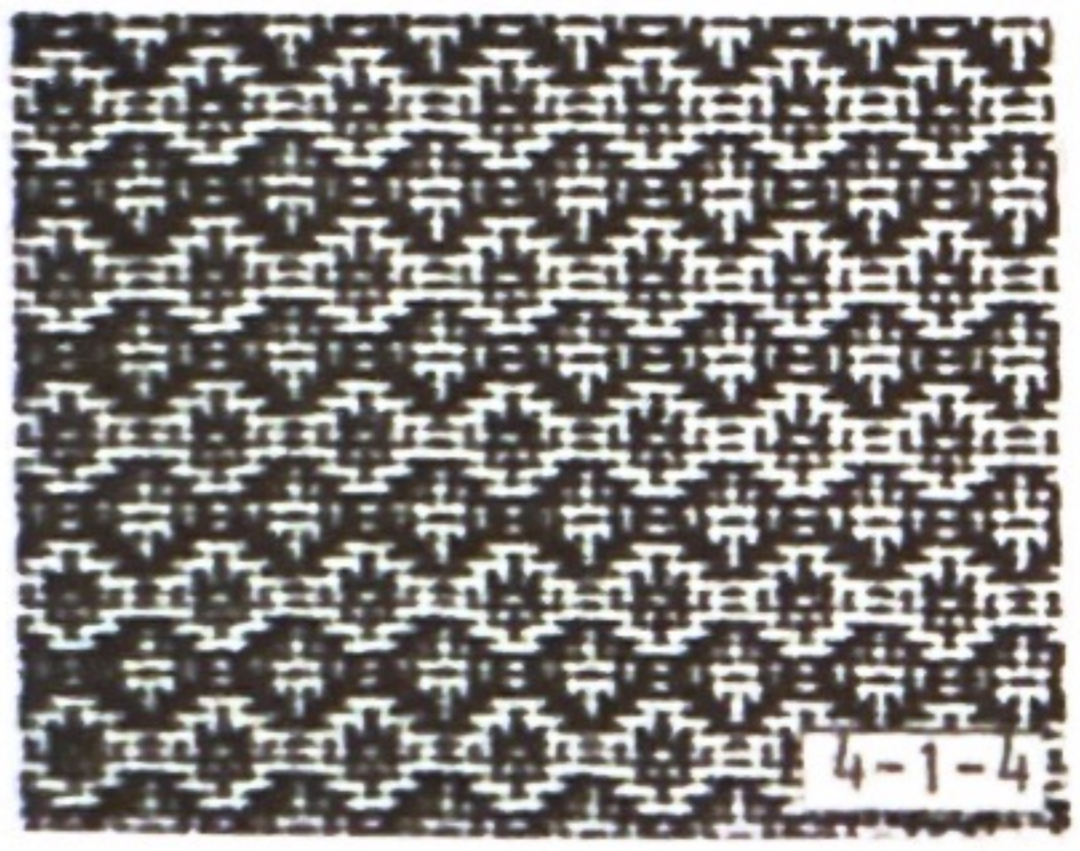
In this three block threading, we can weave two independent blocks (not possible in four blockd due to automatic pairing) plus two combinations of two blocks each.

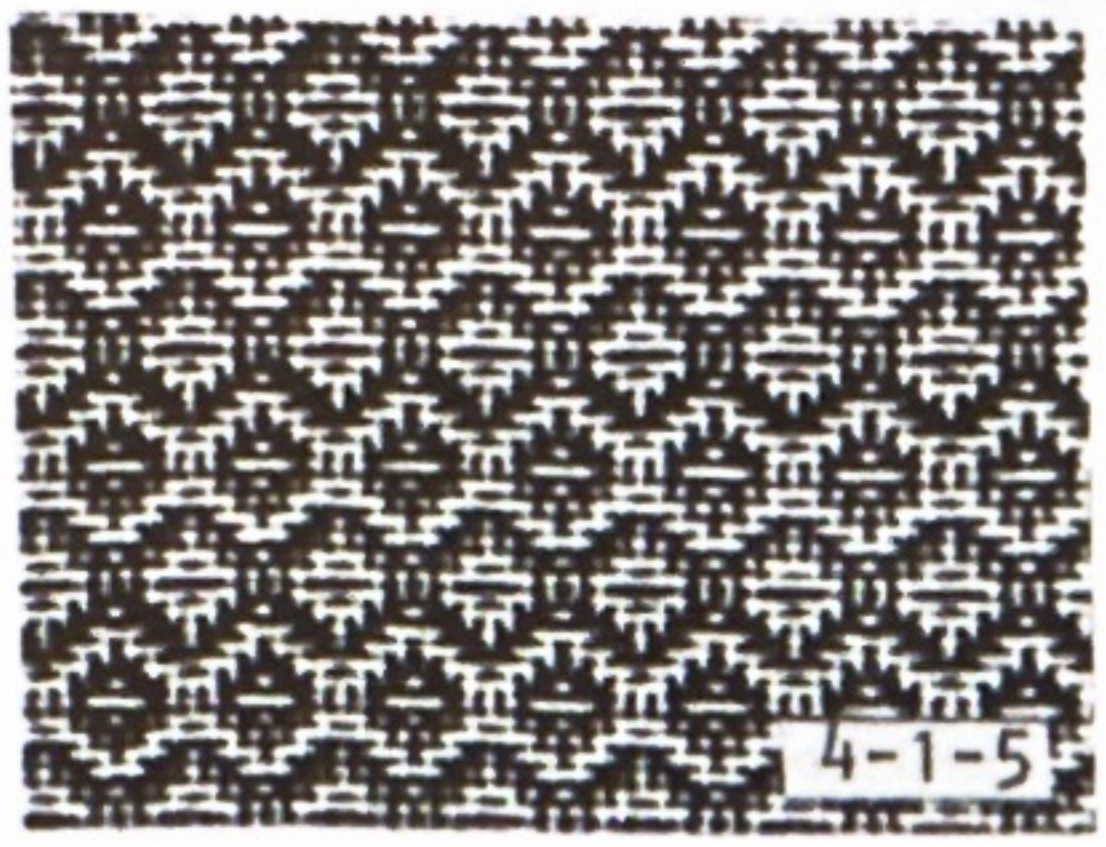
Four Harness Pictures

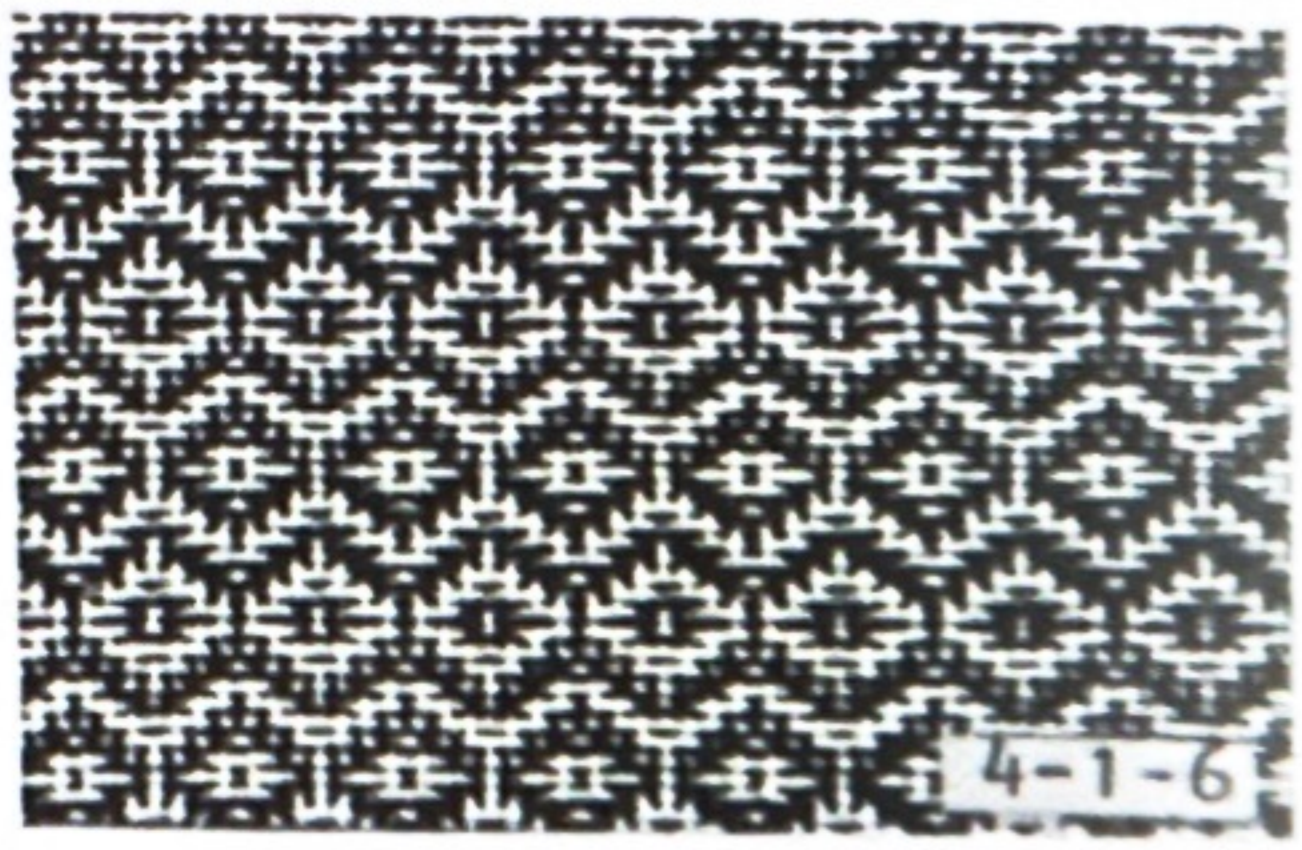

4-1-1

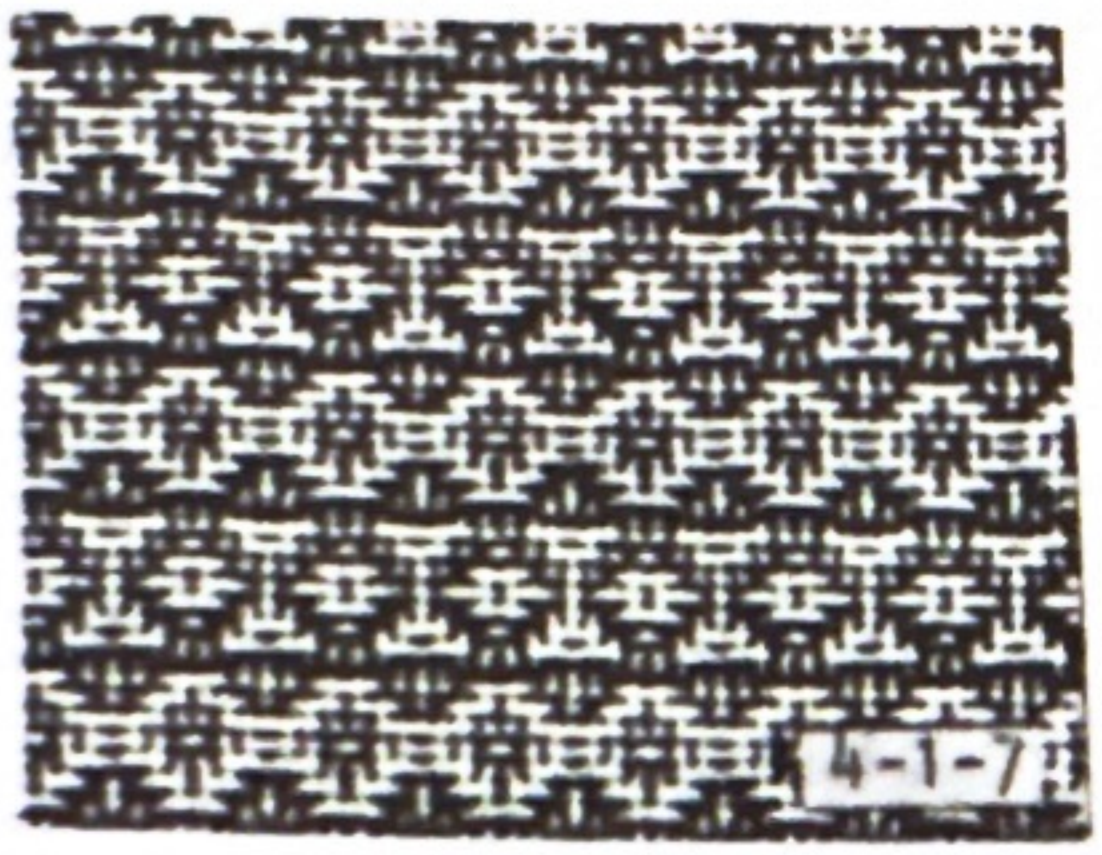

4-1-2

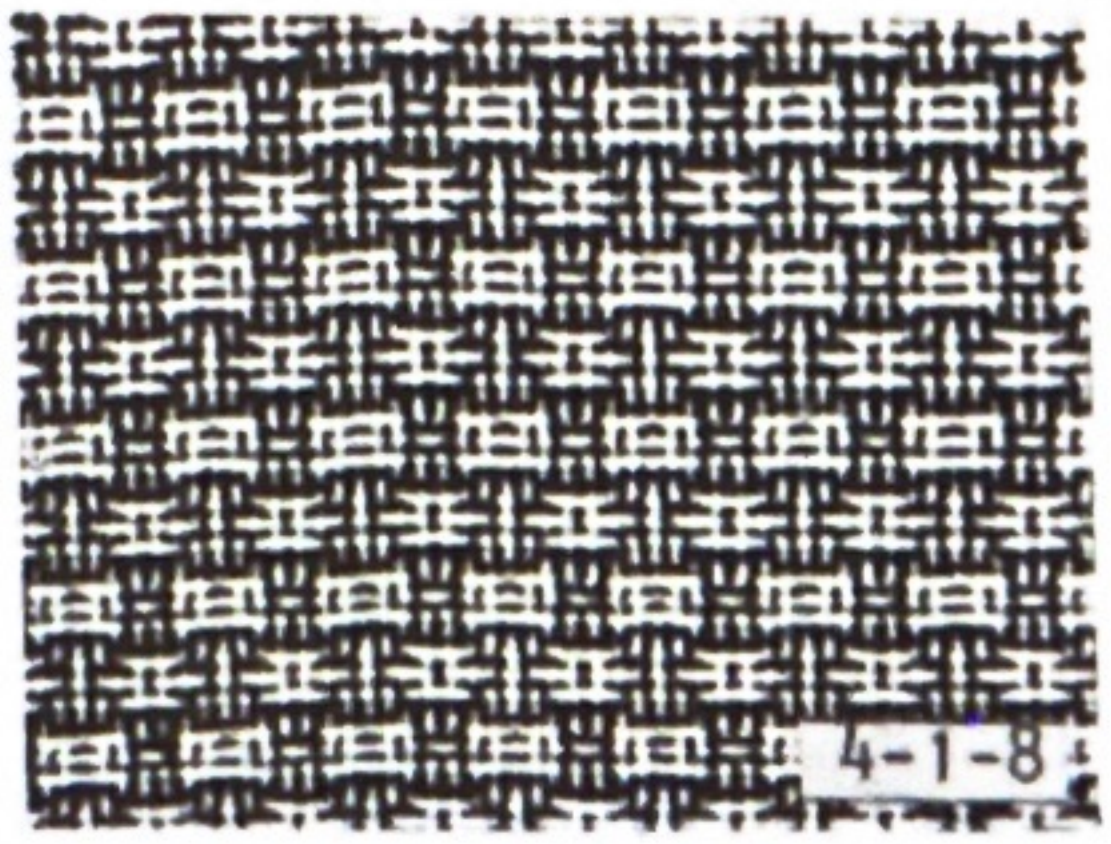

4-1-3

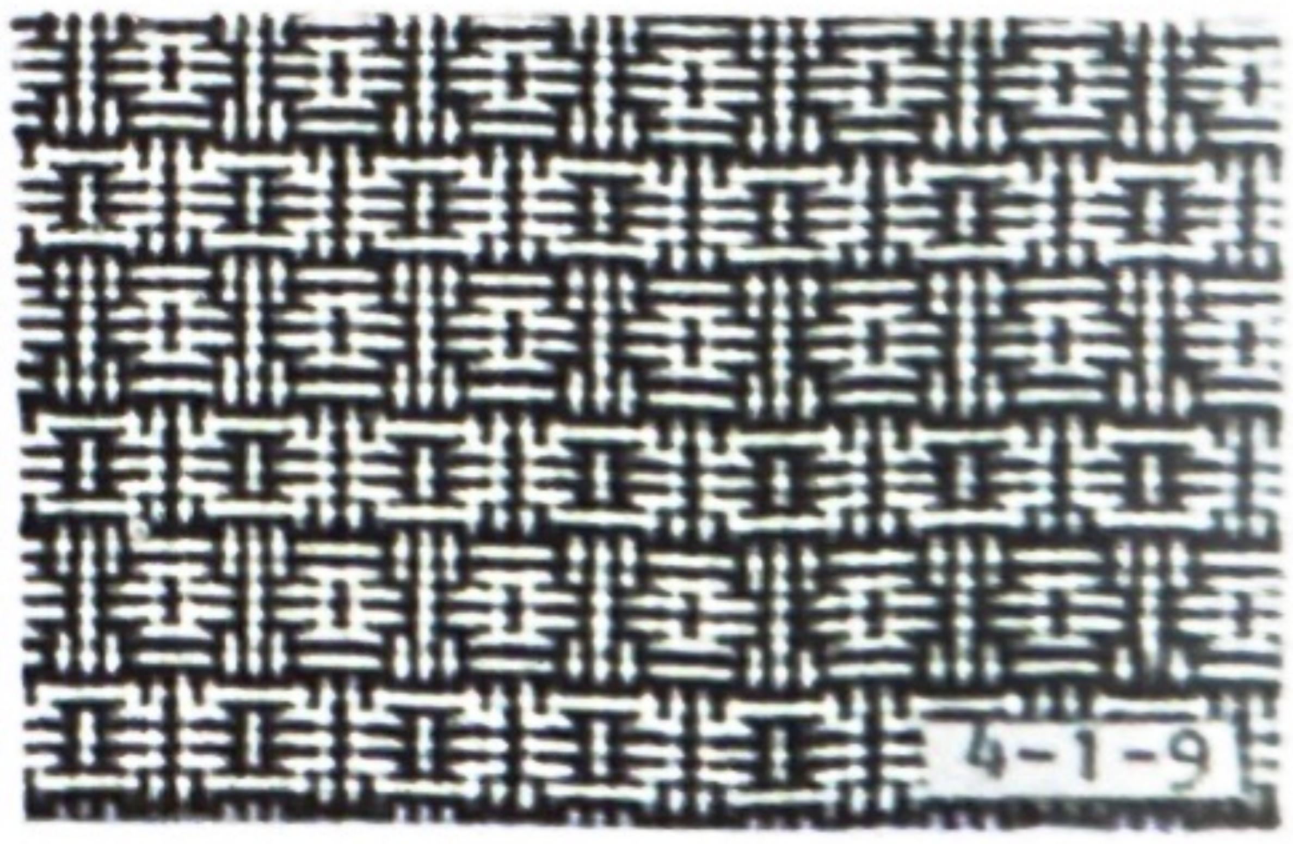

4-1-4

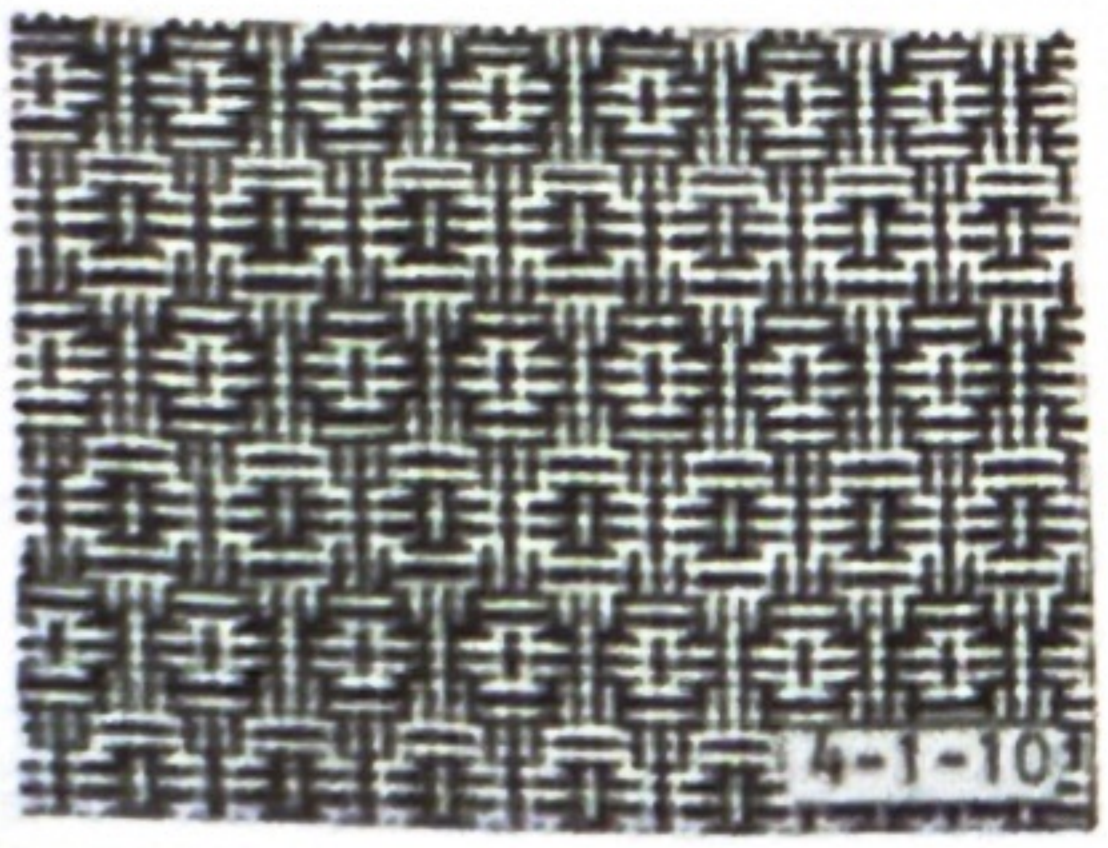

4-1-5

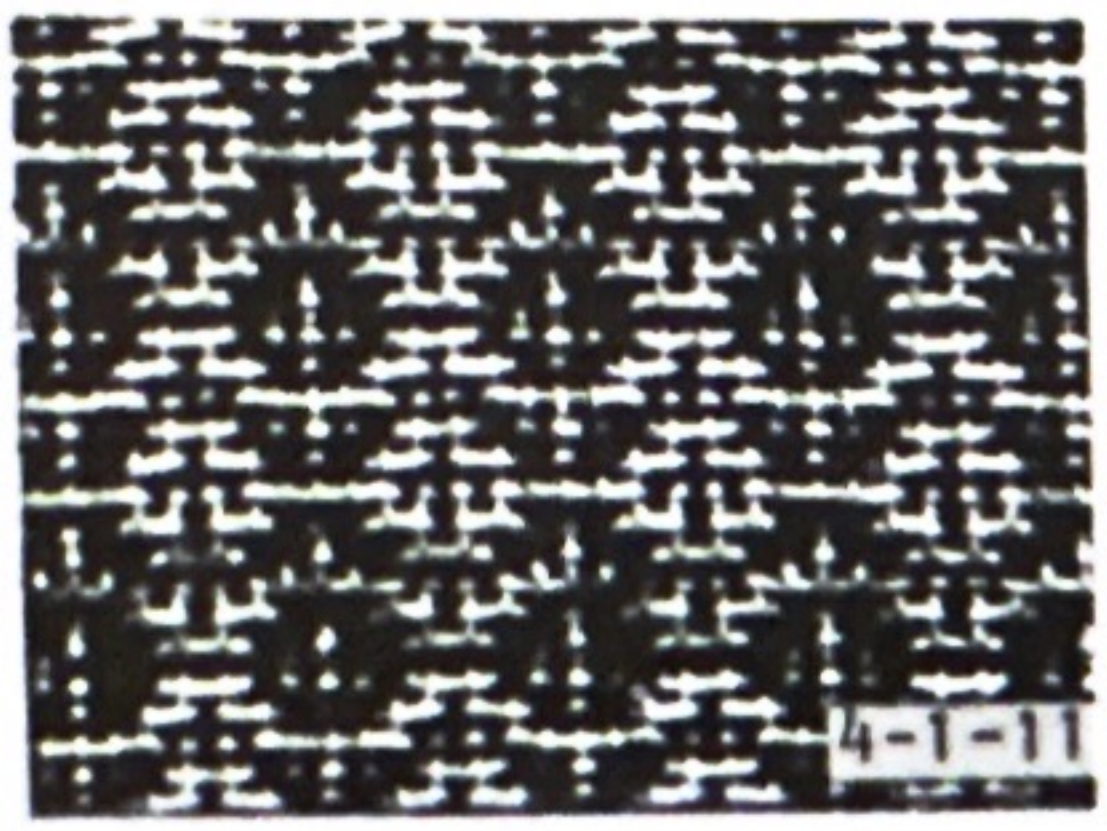

4-1-6

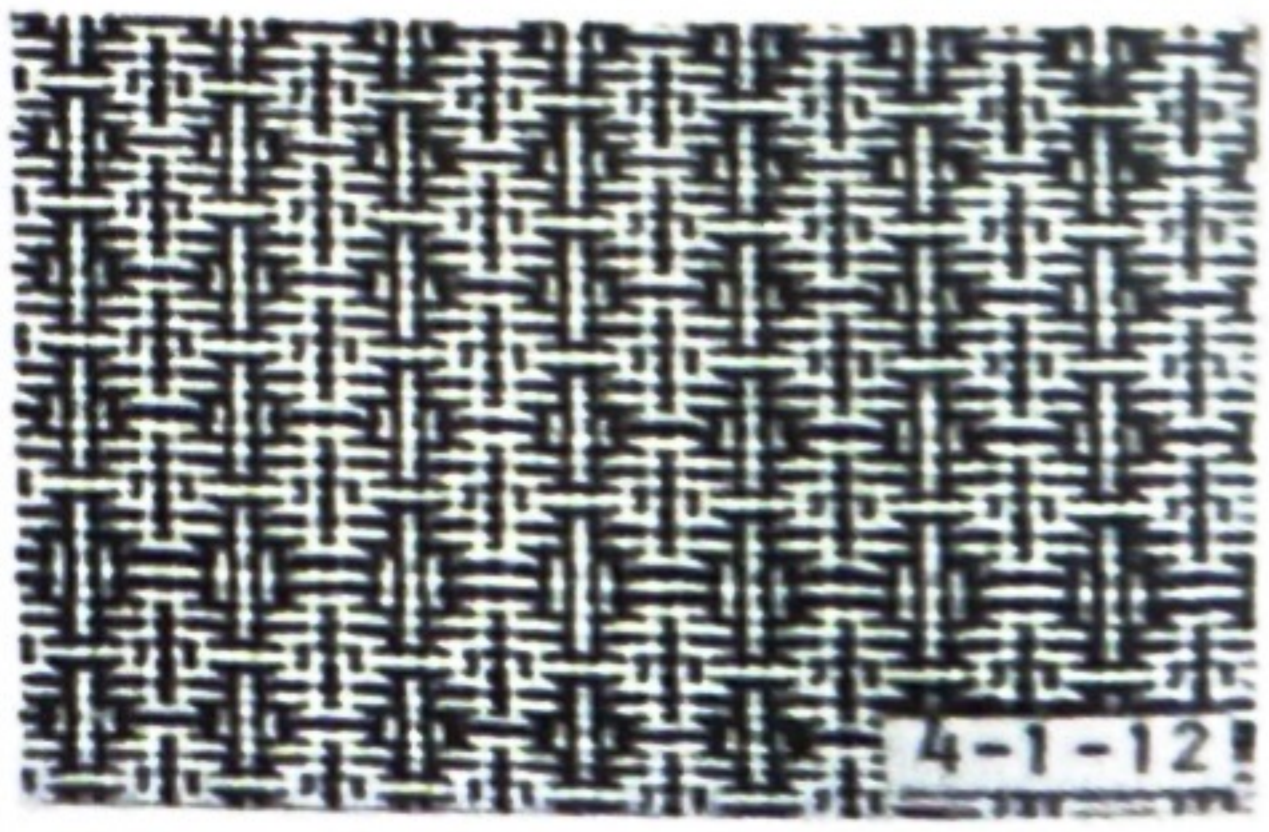

4-1-7

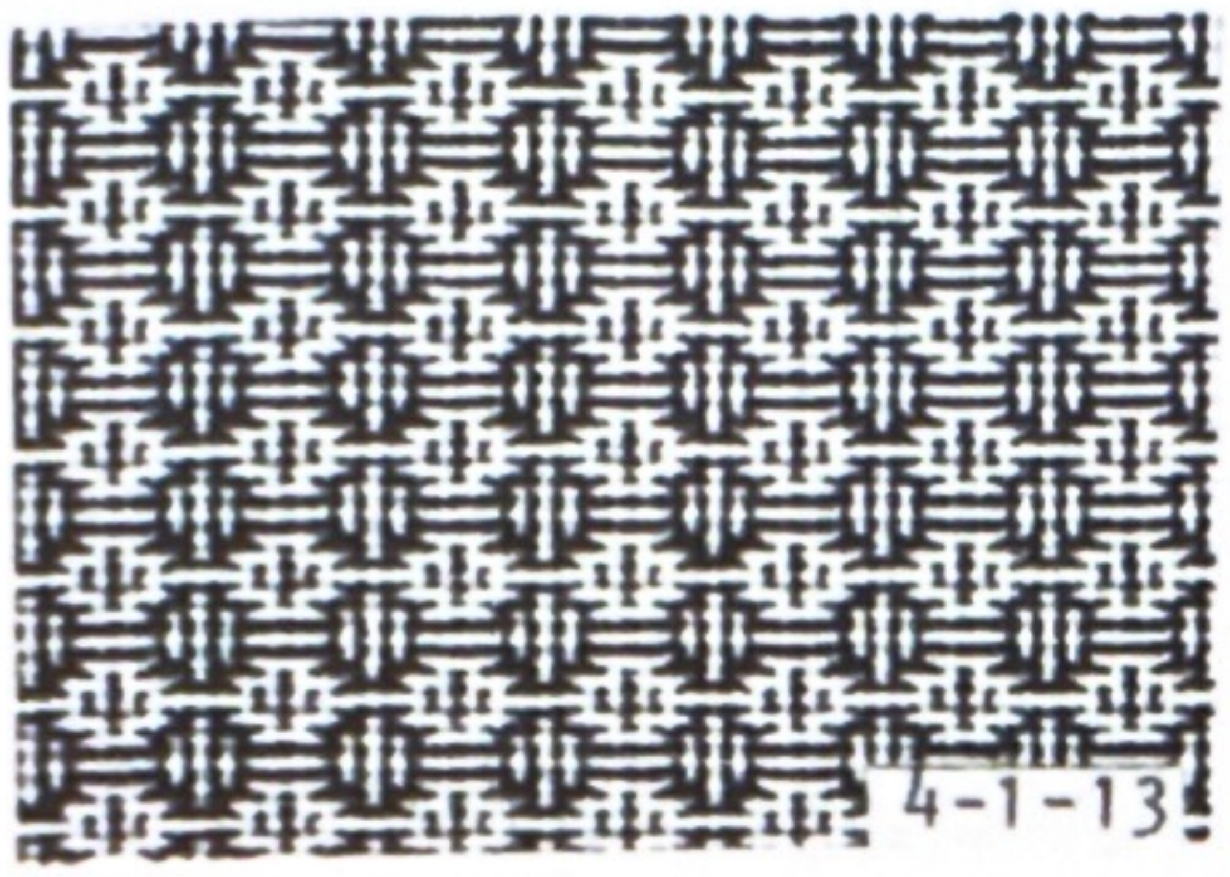

4-1-8

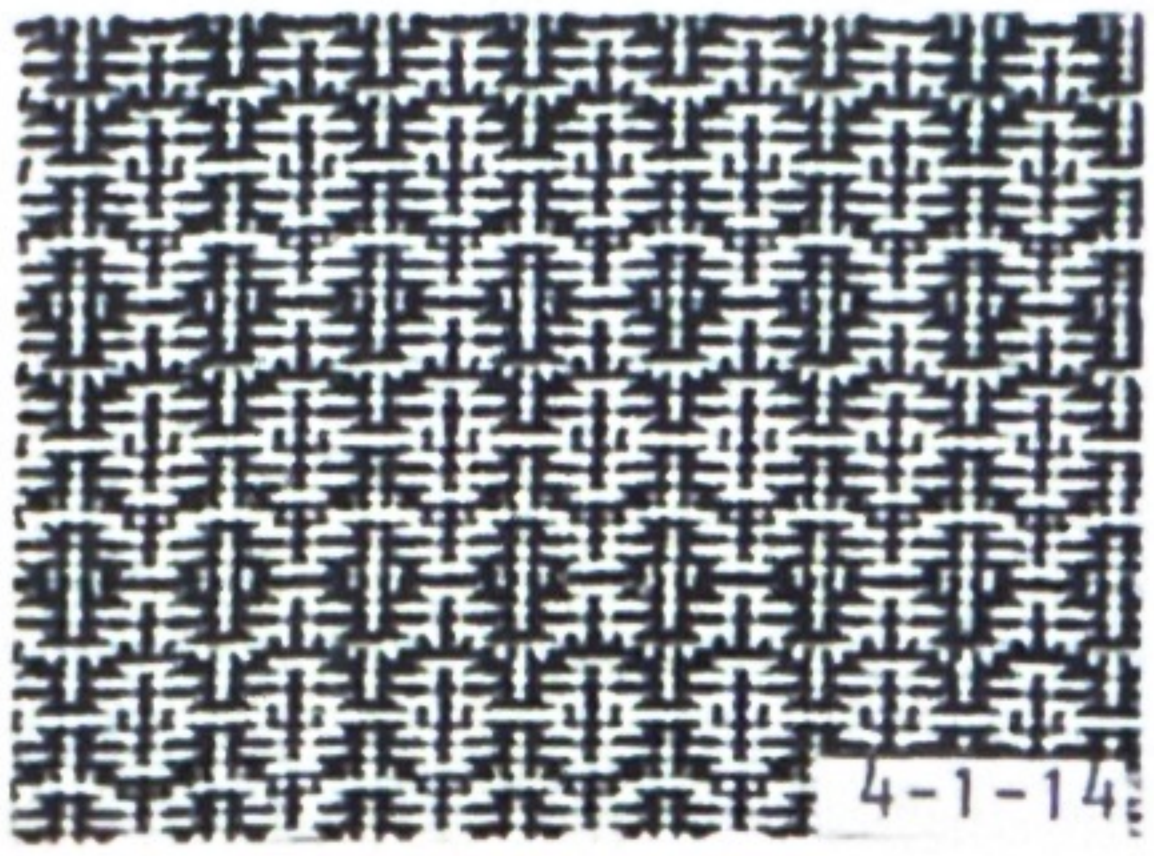

4-1-9

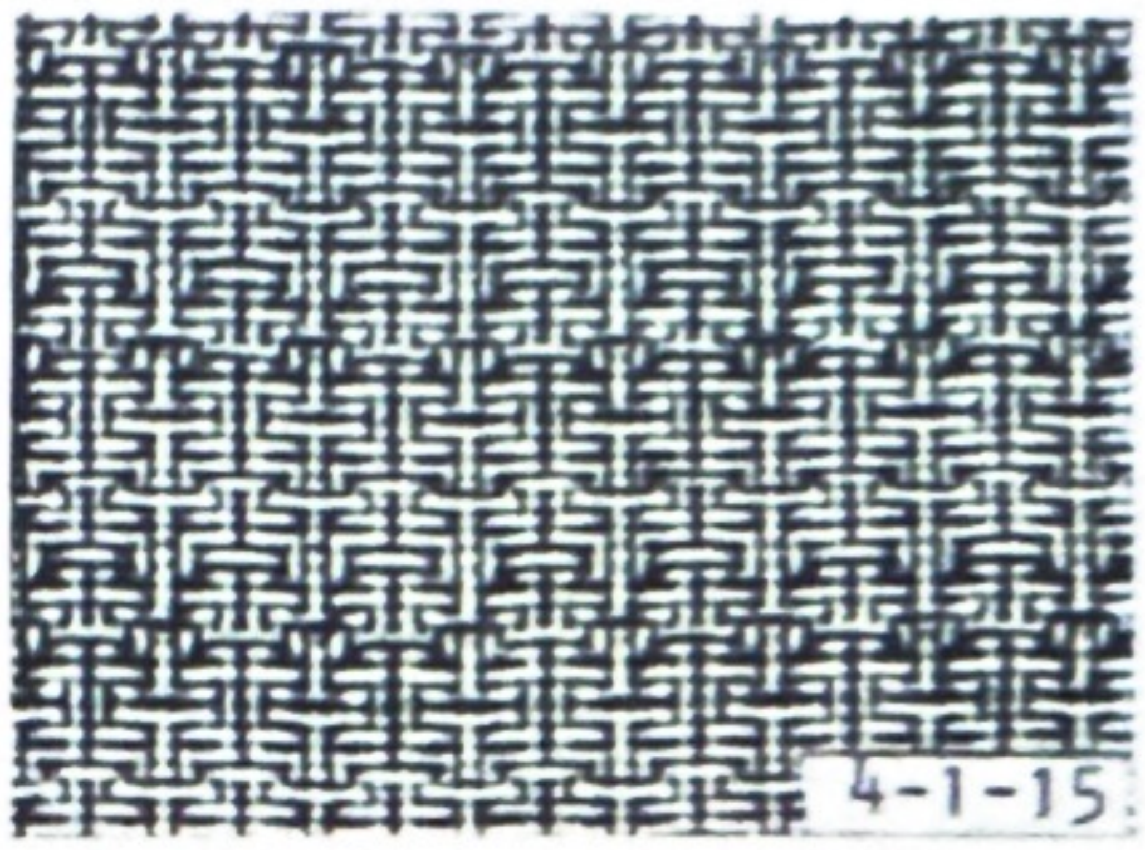

4-1-10

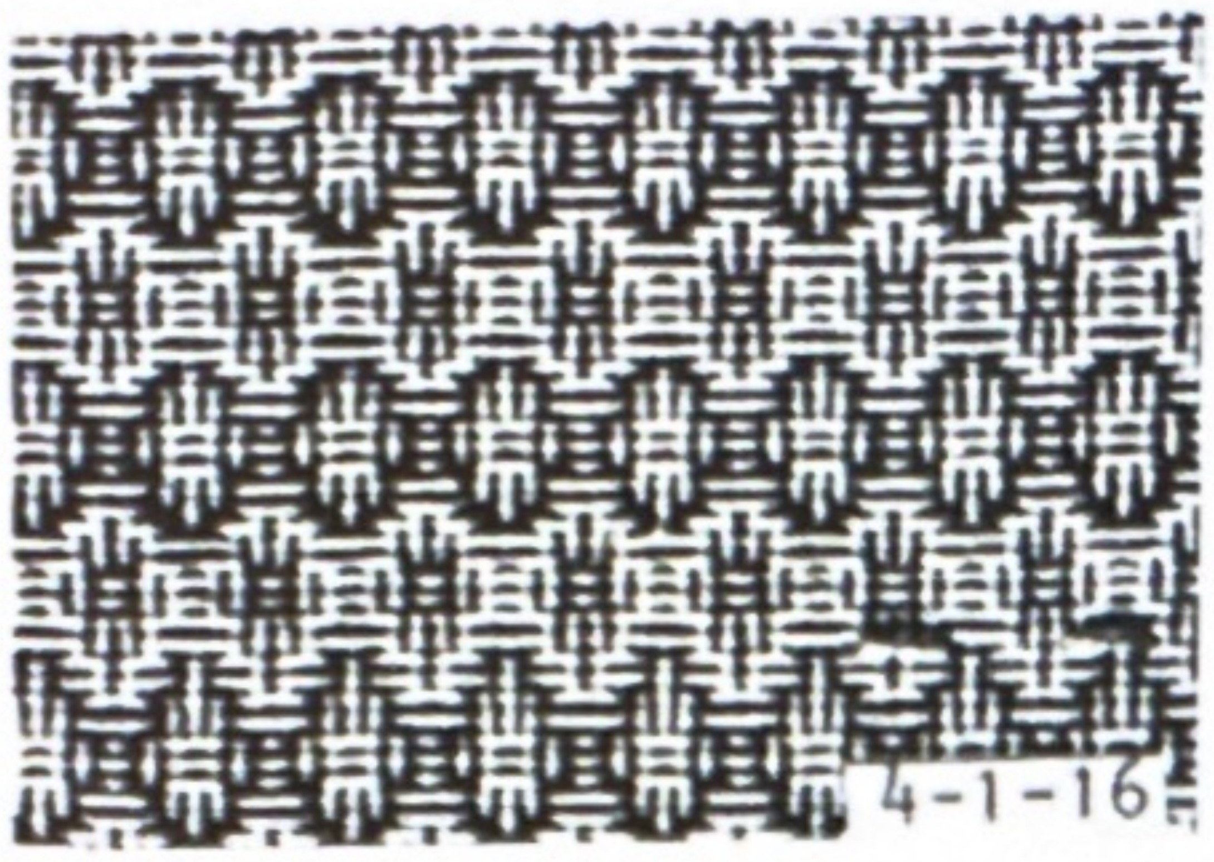

4-1-11

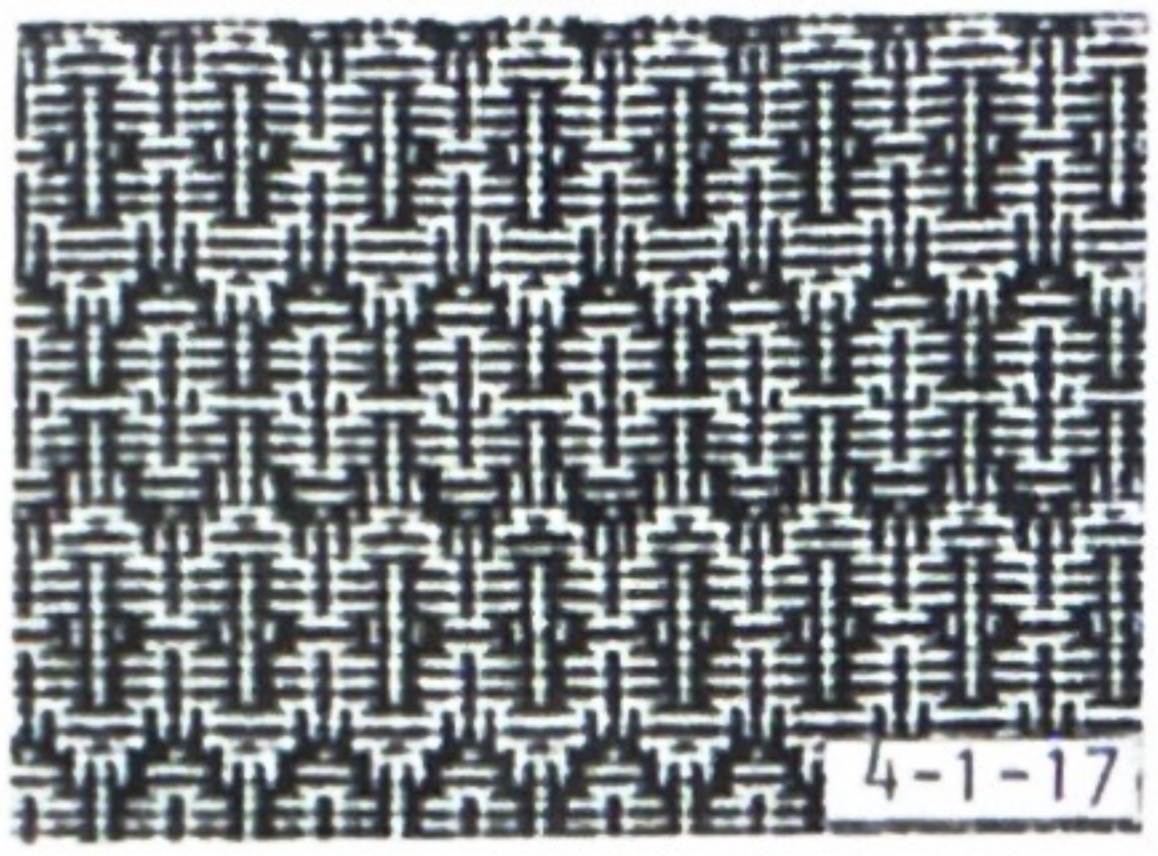

4-1-12

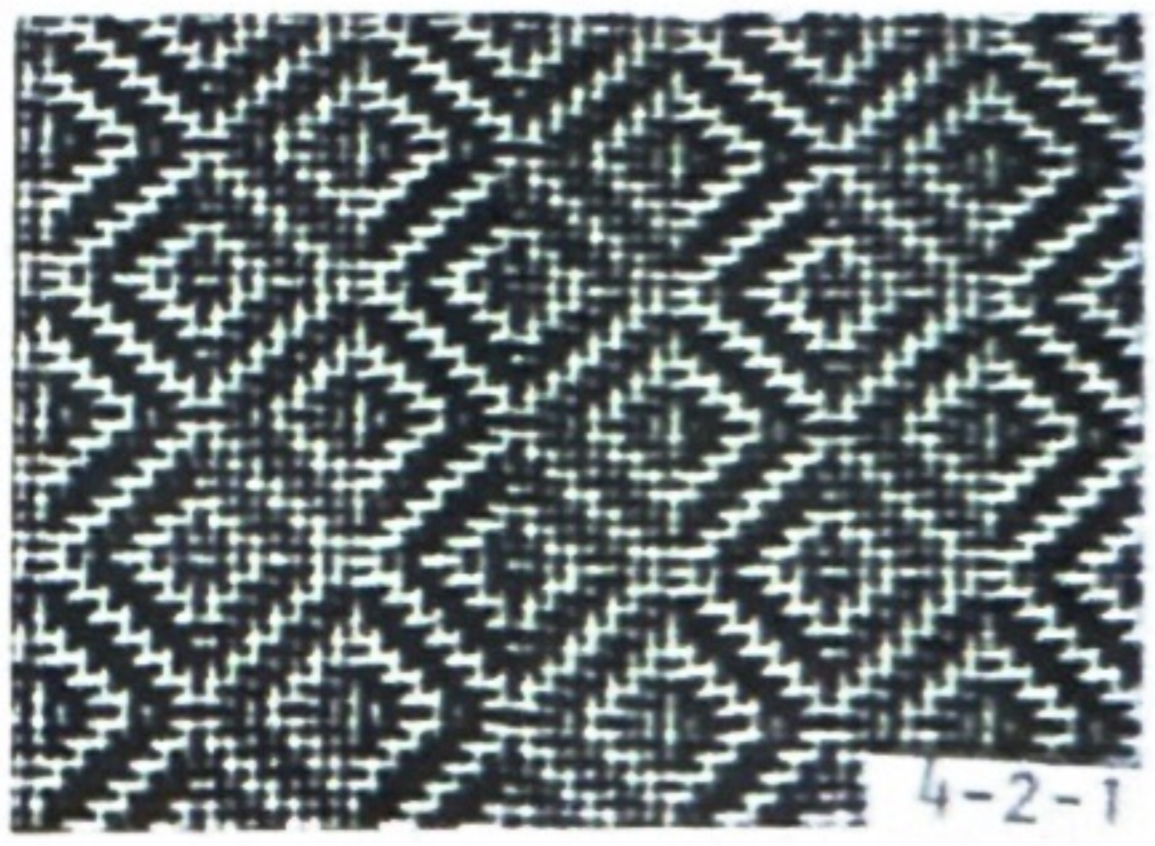

4-1-13

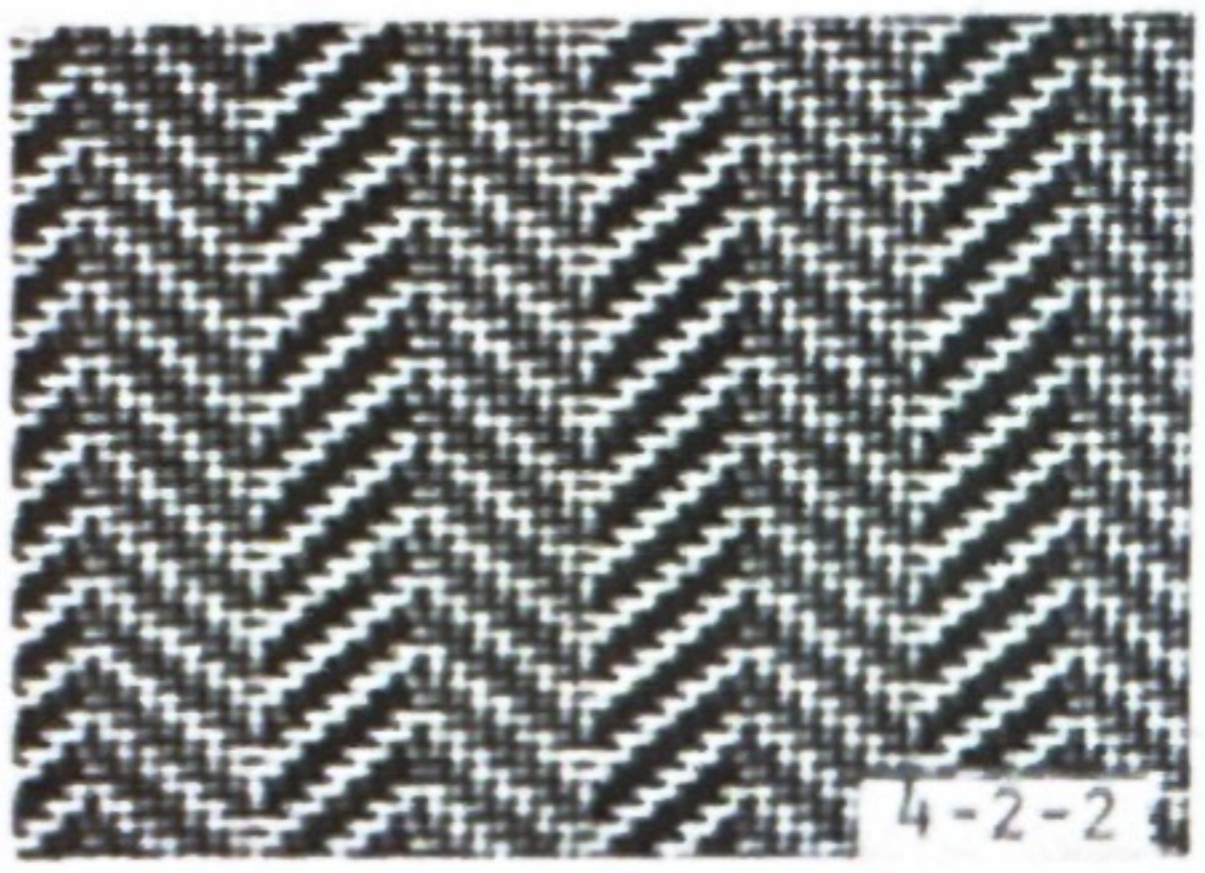

4-1-14

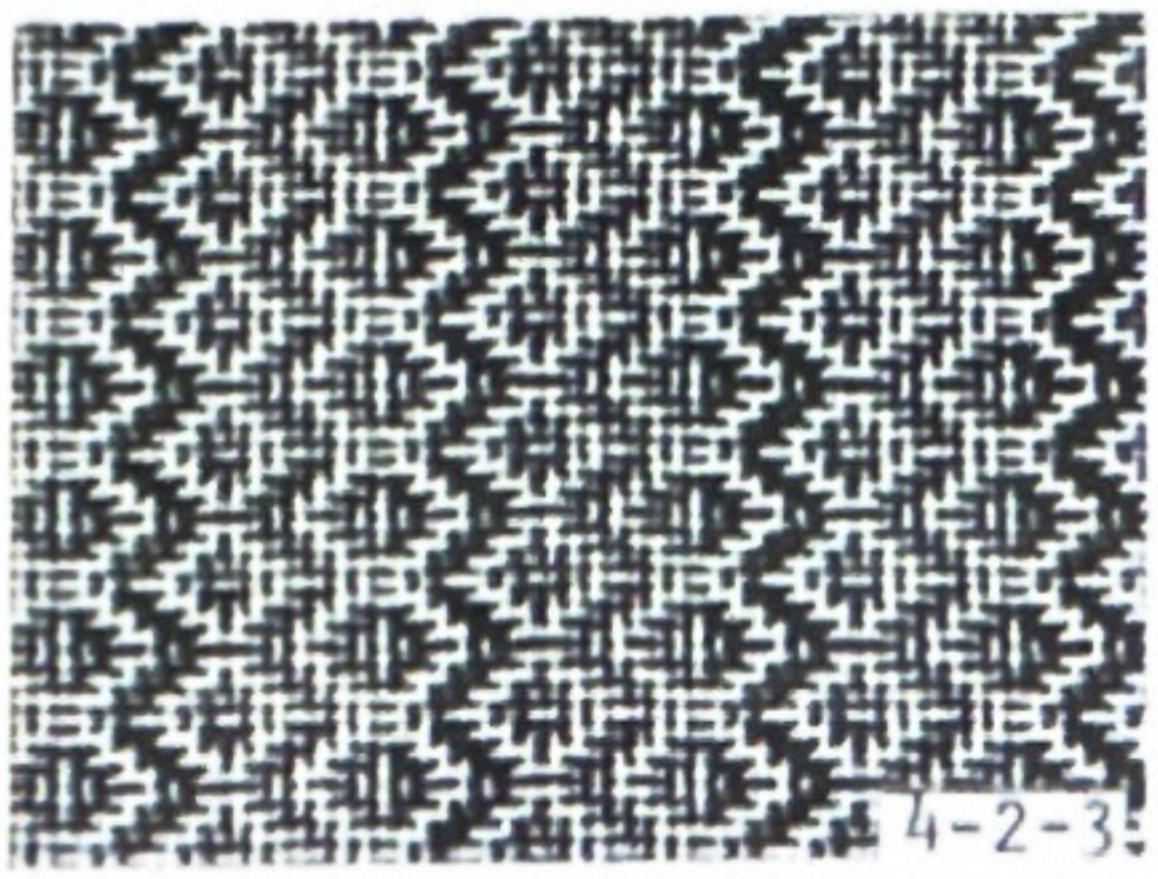

4-1-15

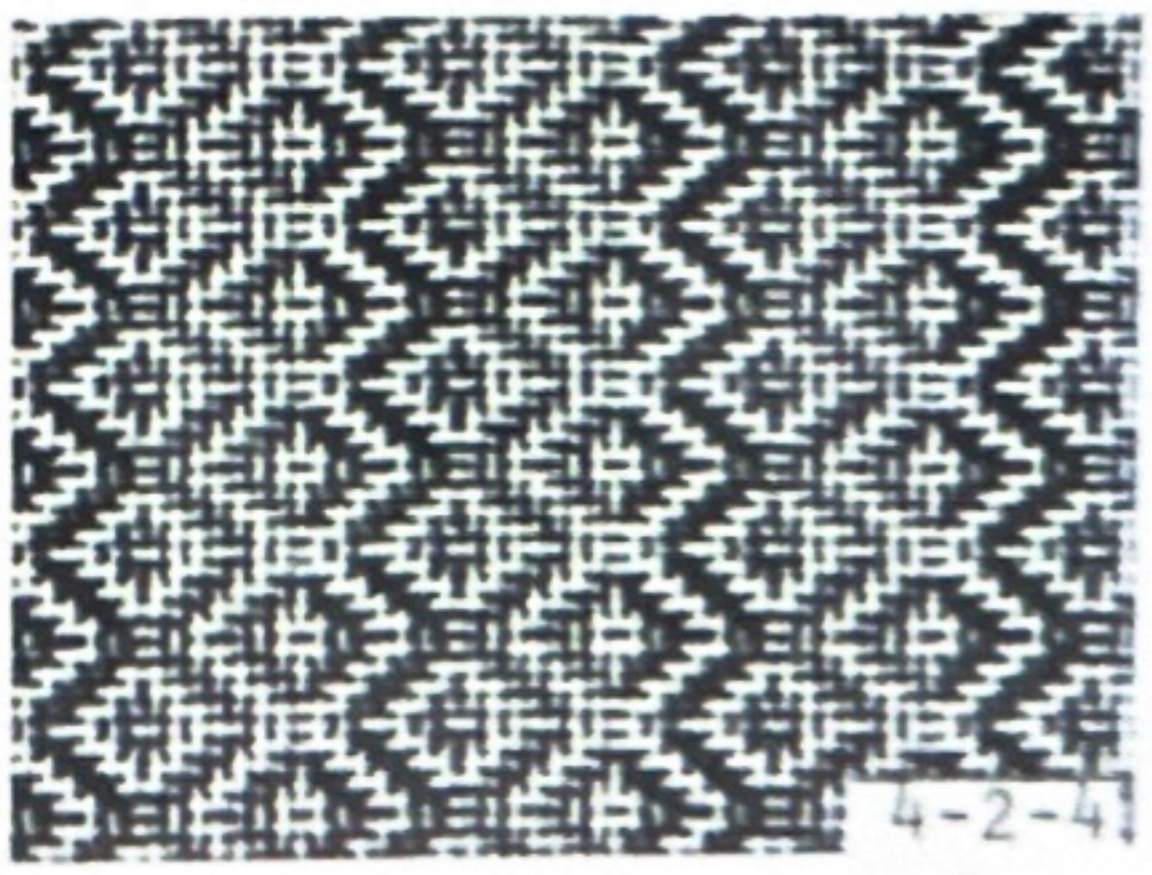

4-1-16


4-1-17


4-2-1


4-2-2


4-2-3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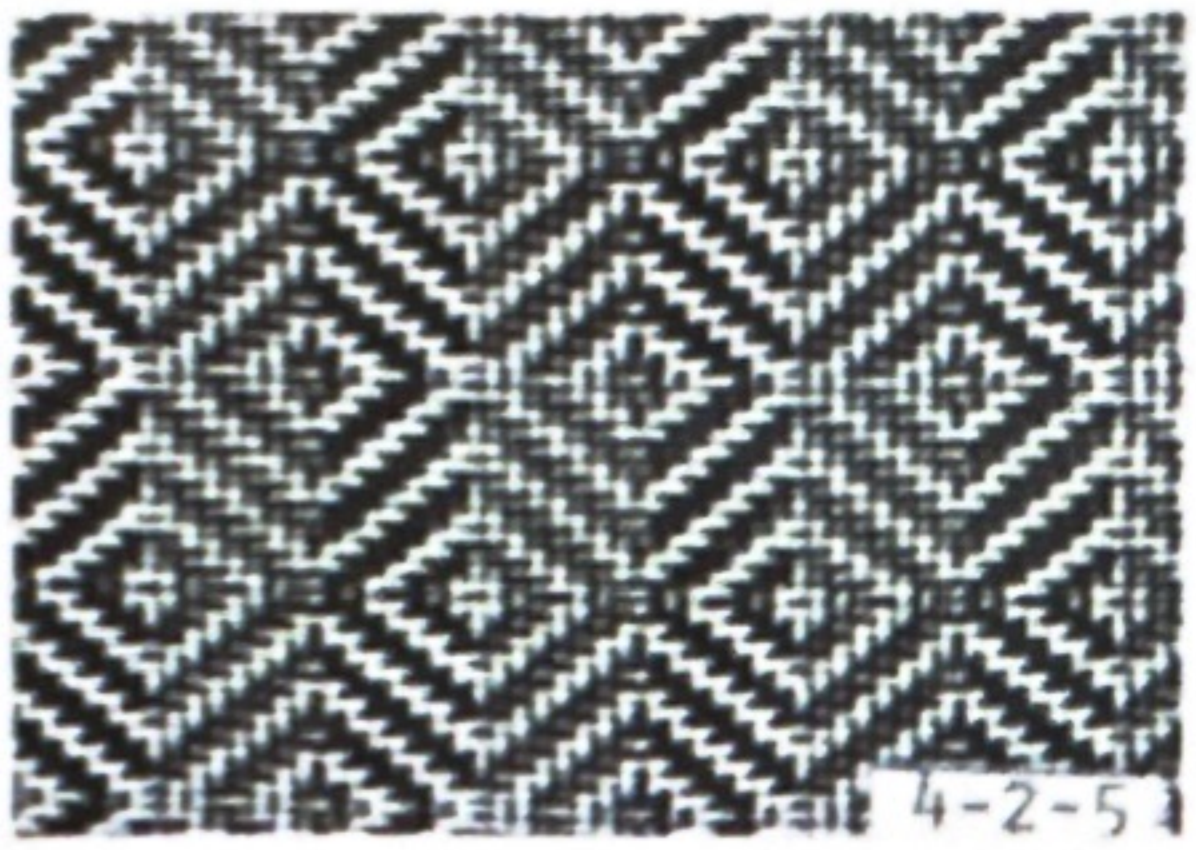
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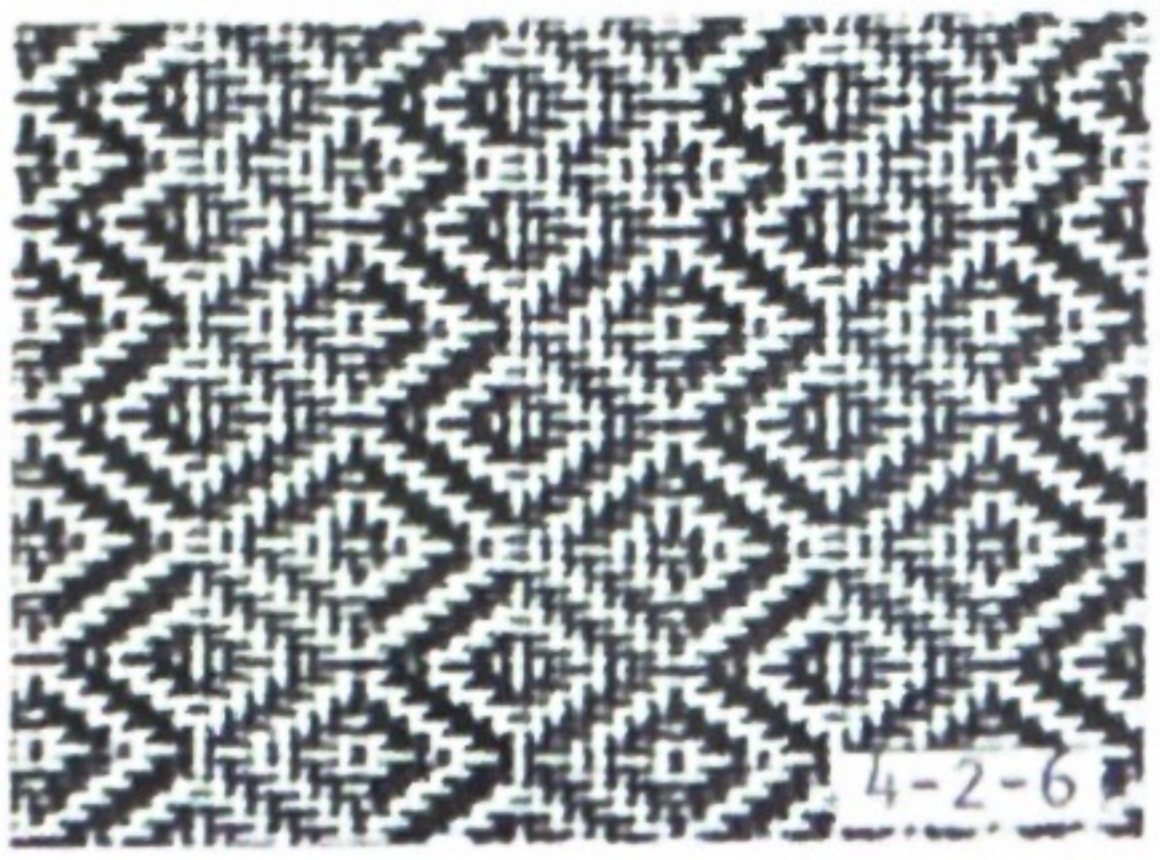
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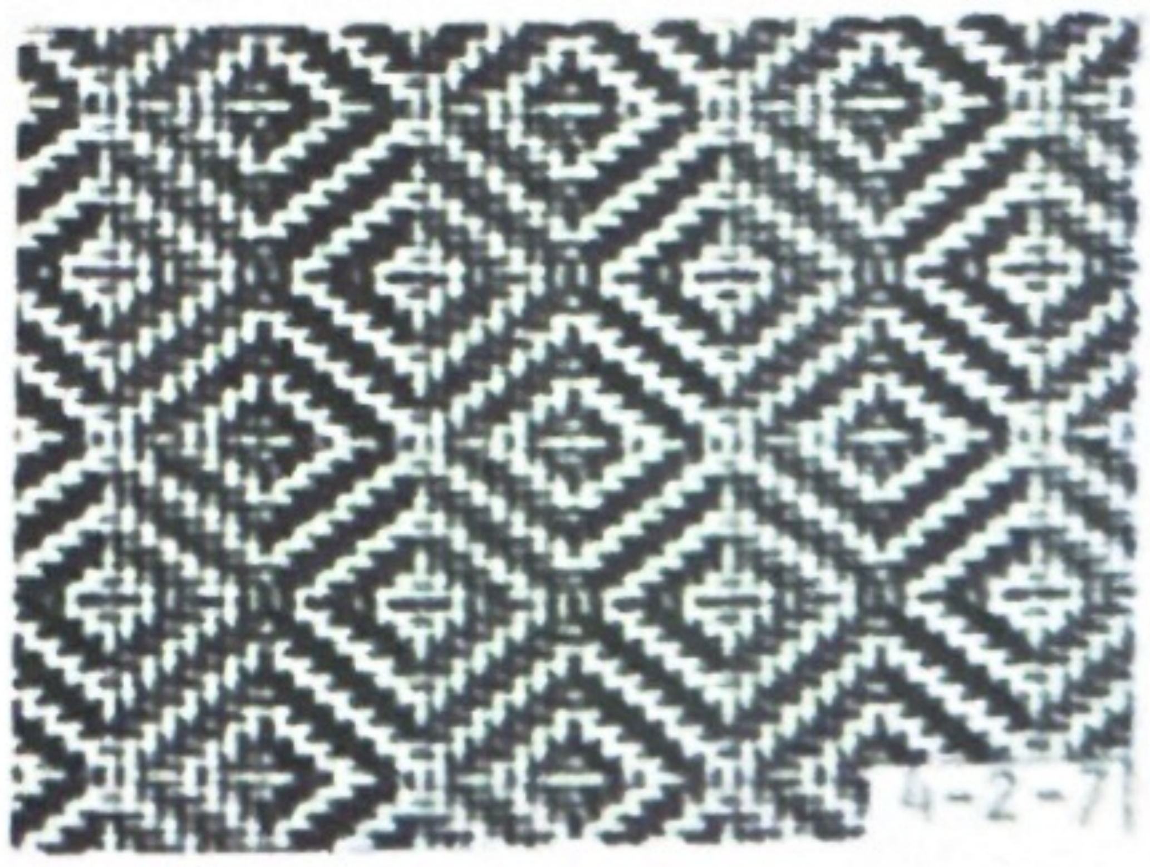
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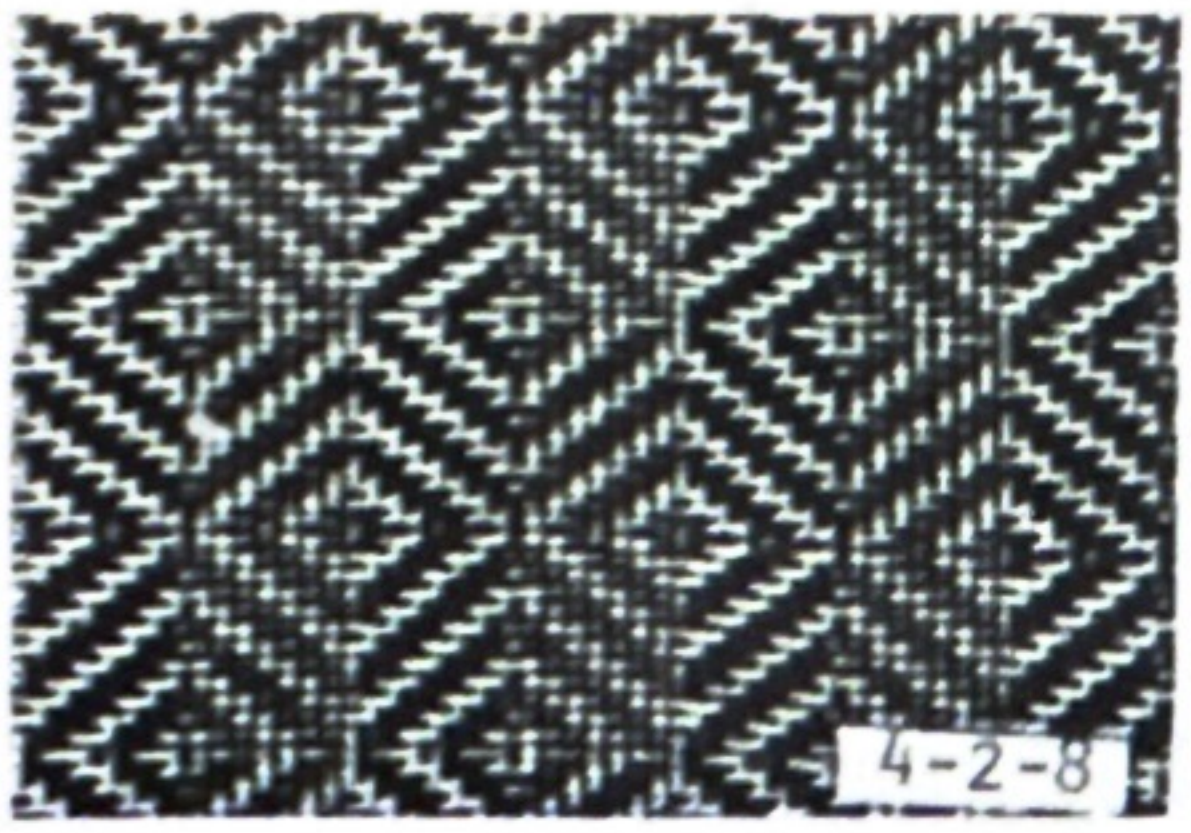
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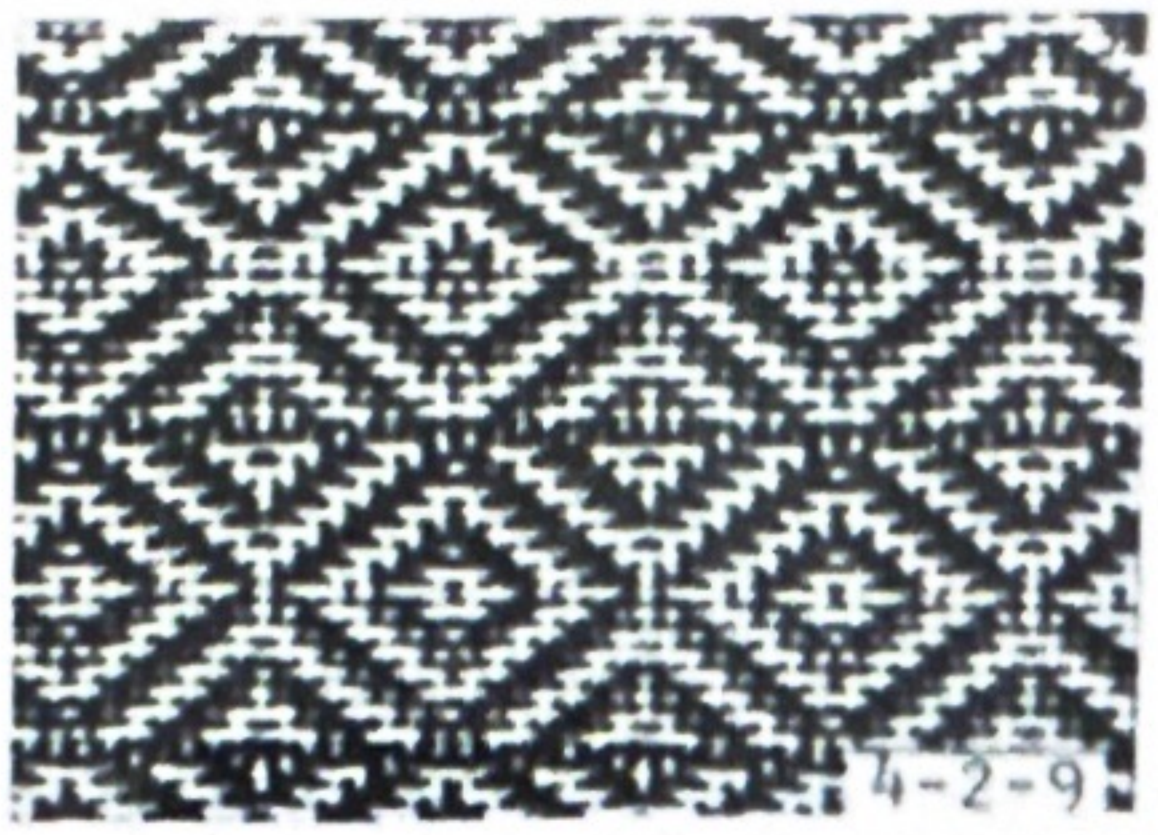
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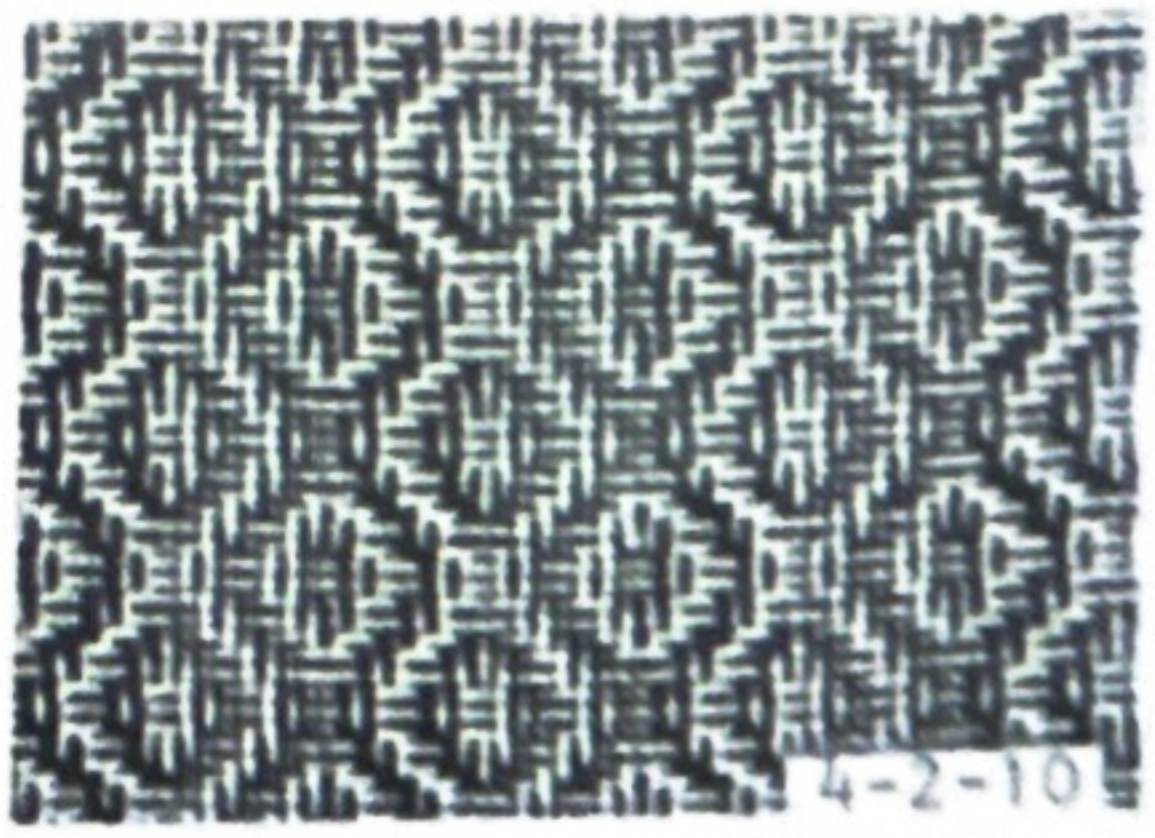
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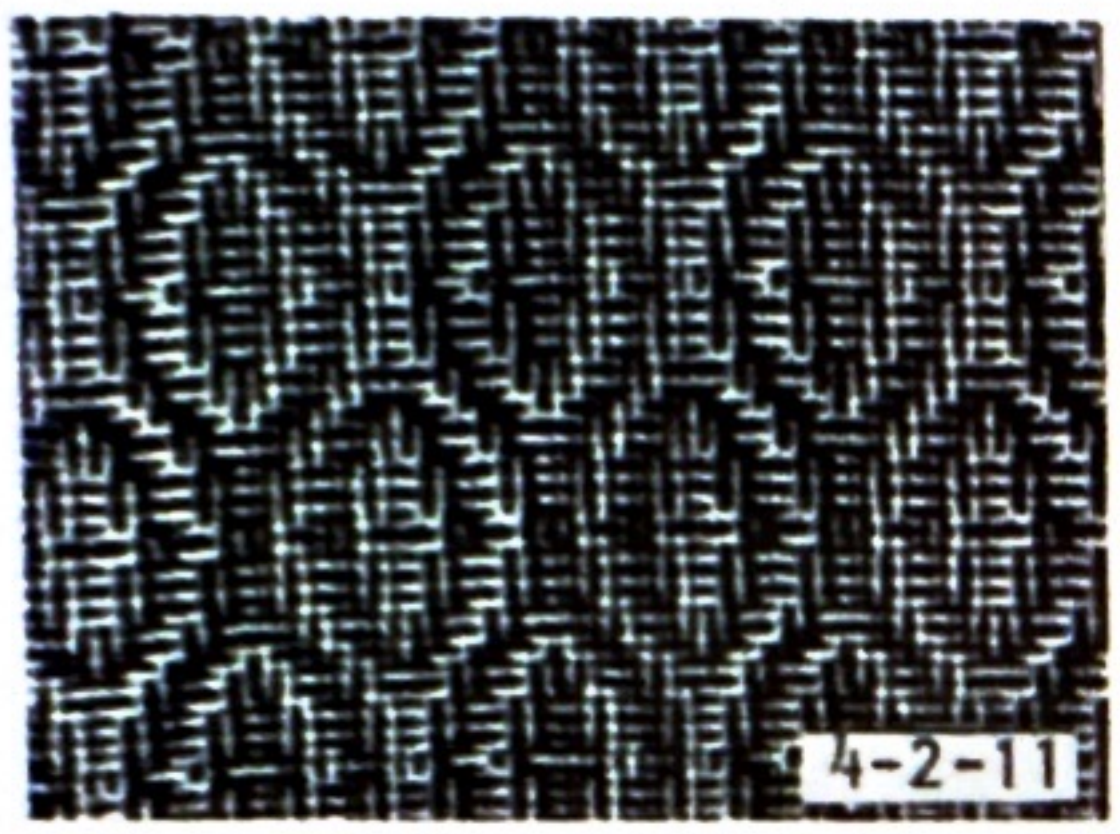
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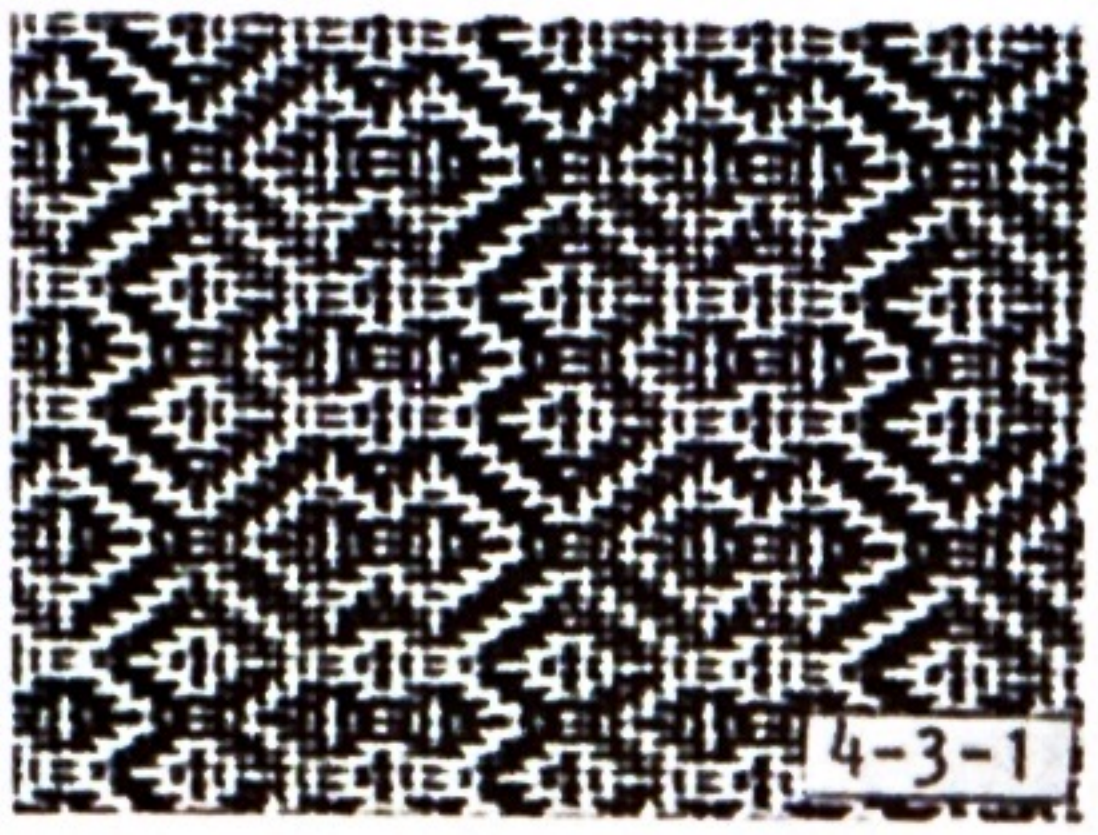
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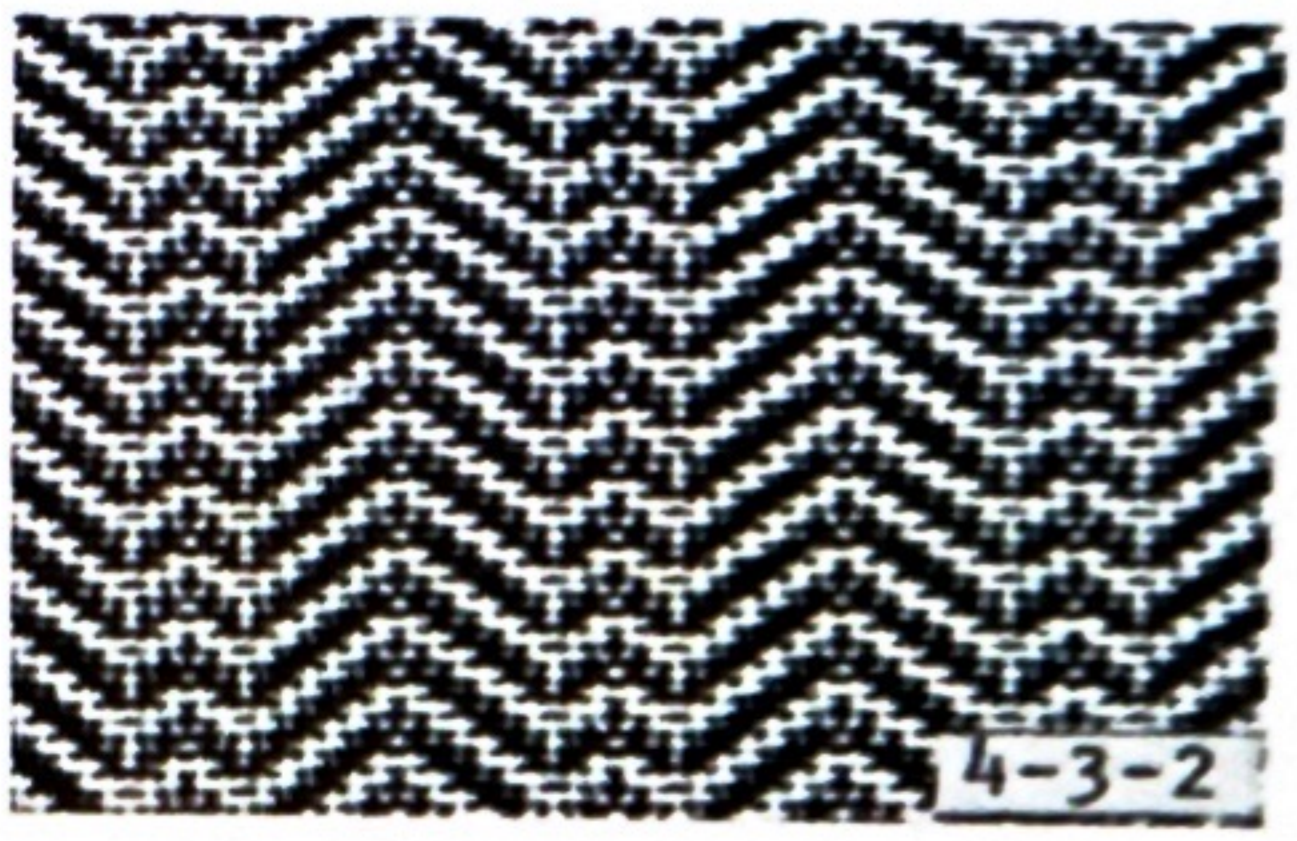
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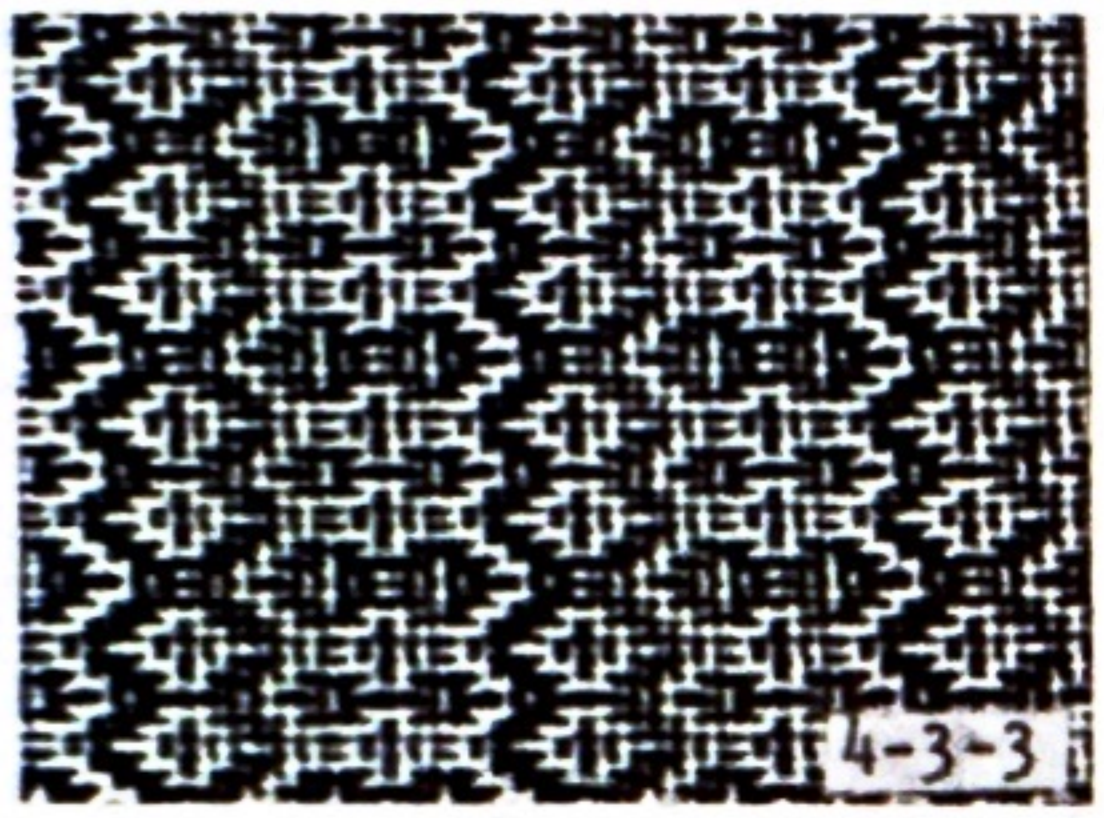
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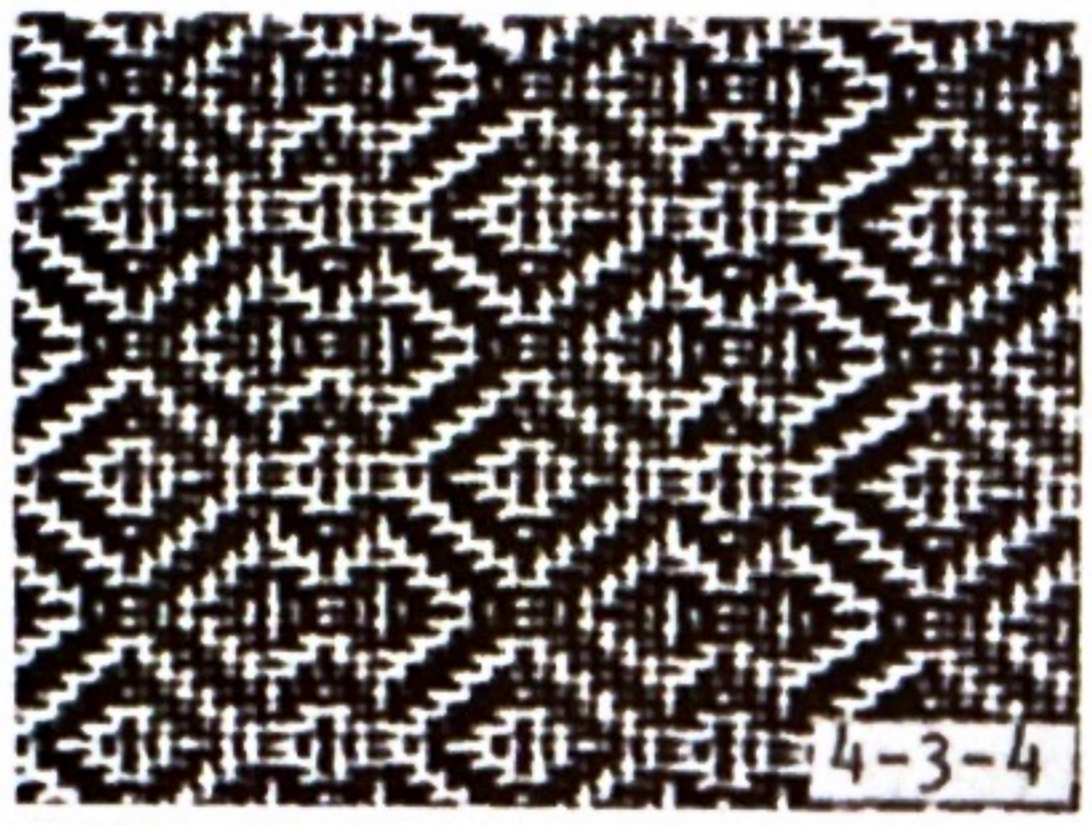
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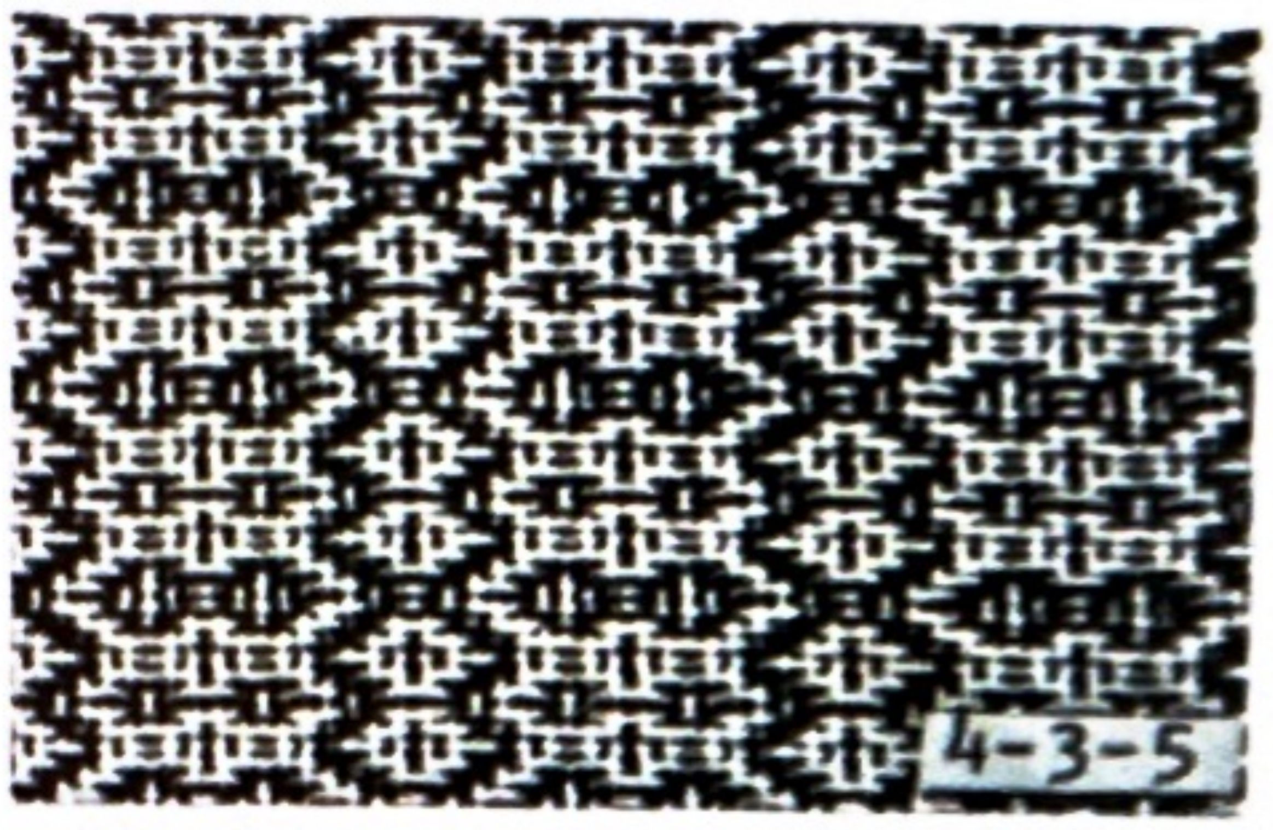
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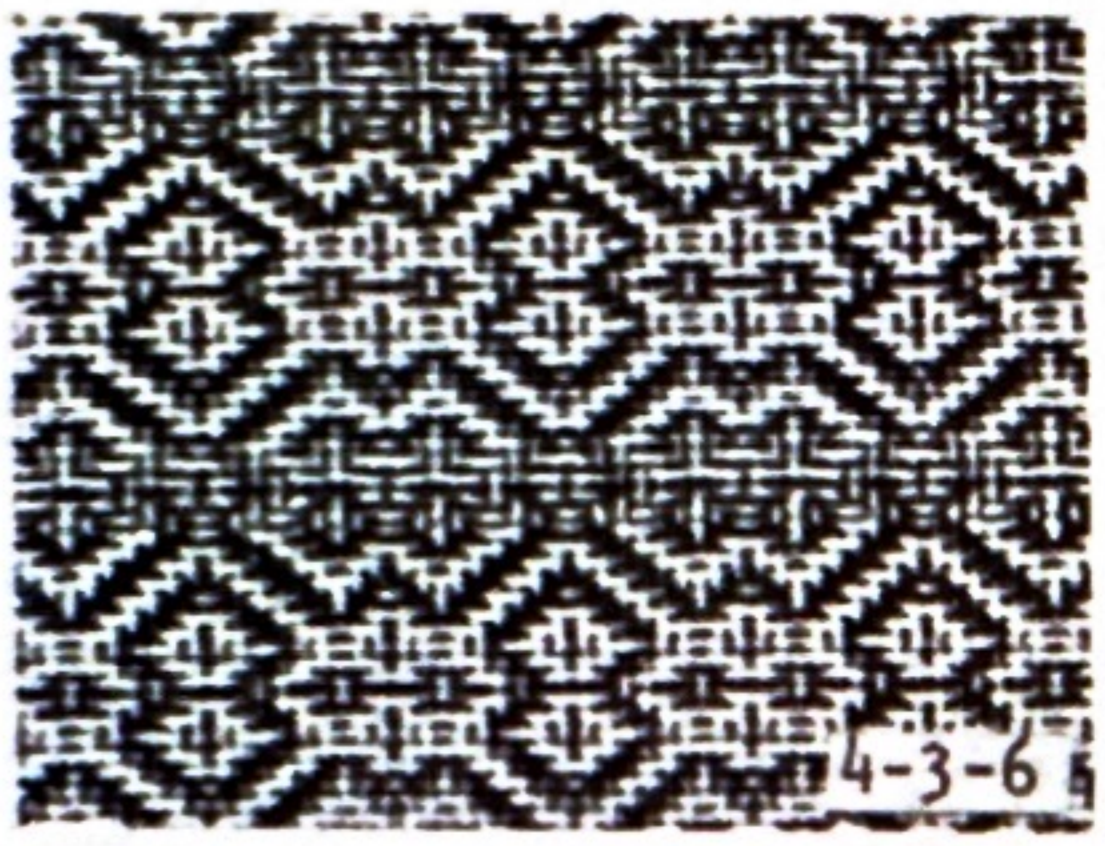
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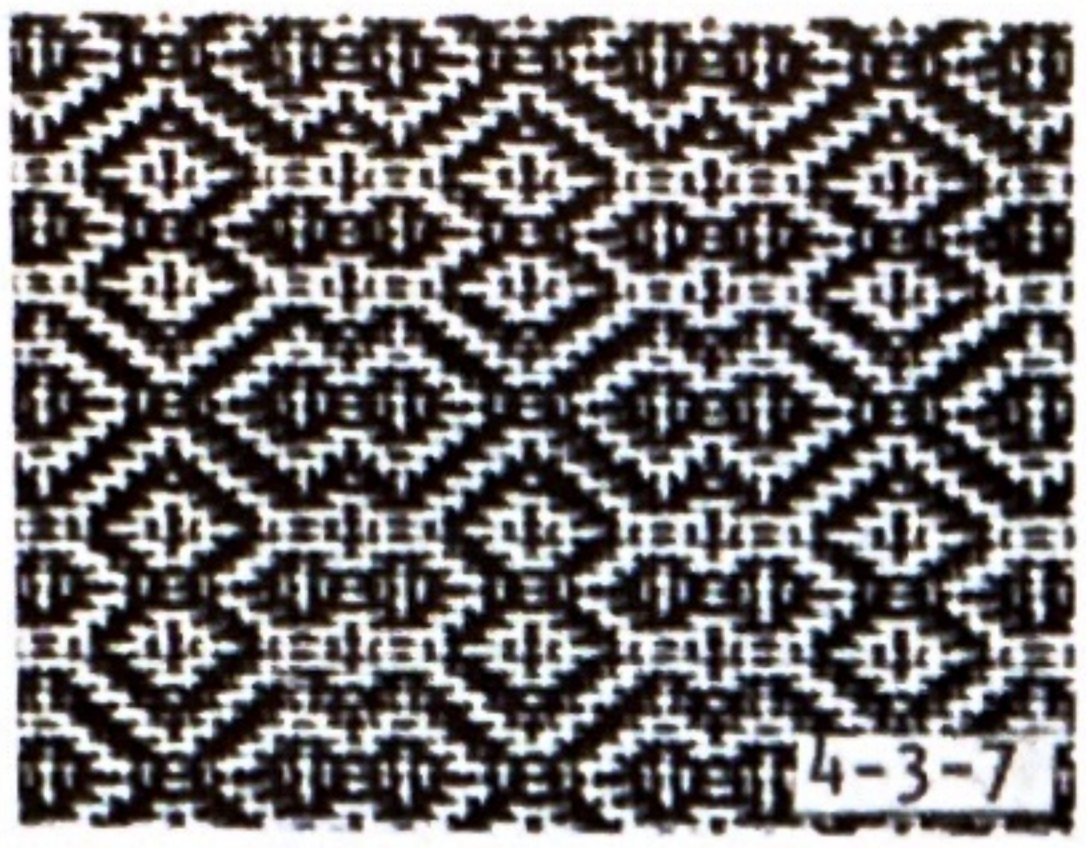
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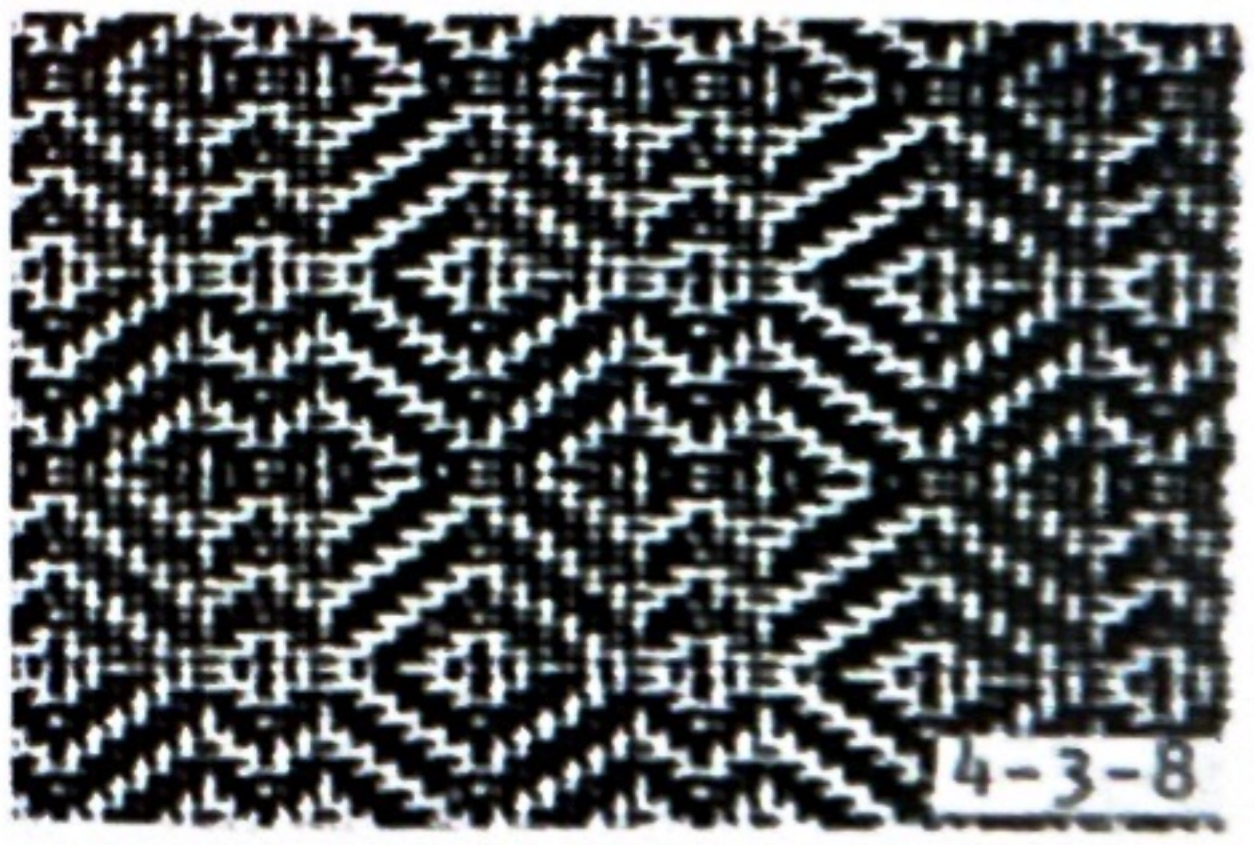
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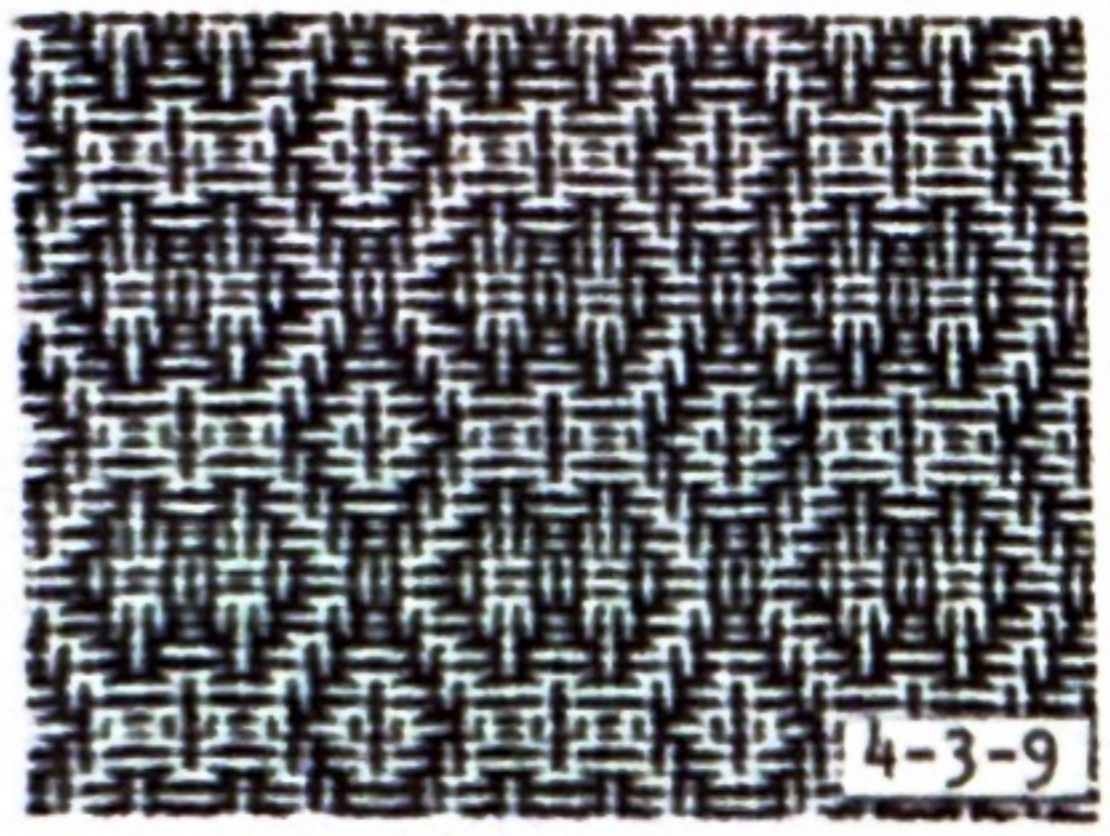
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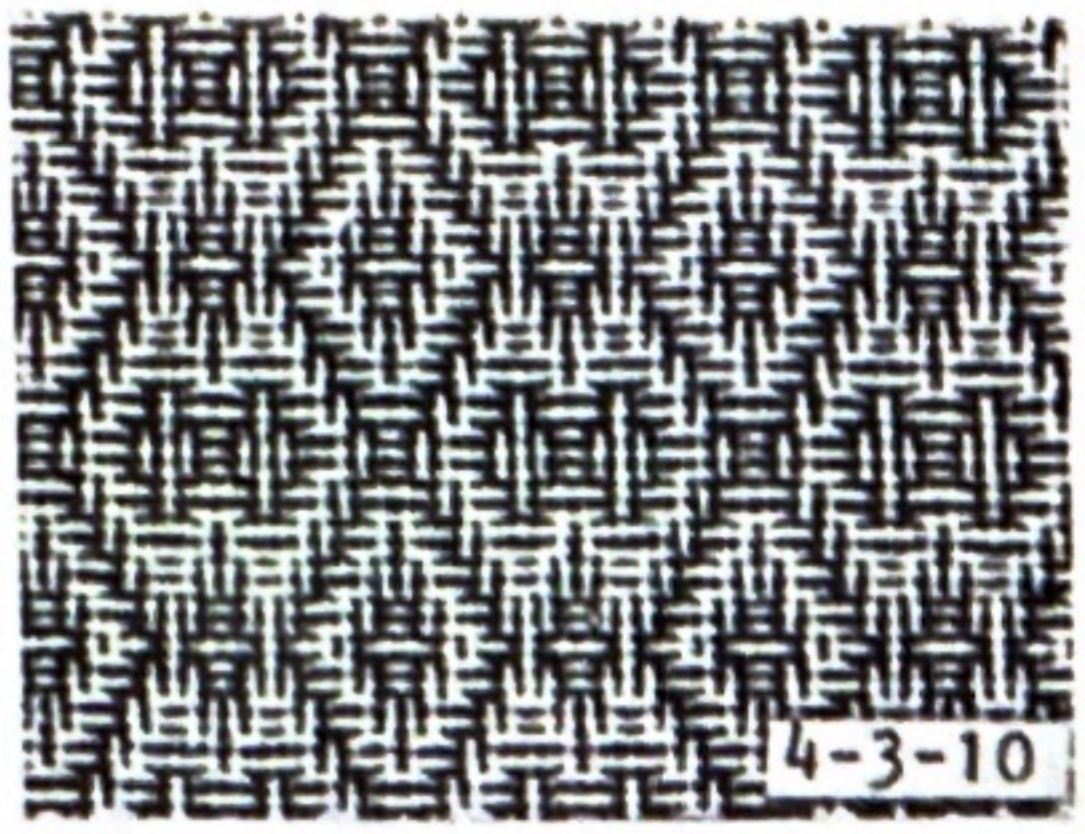
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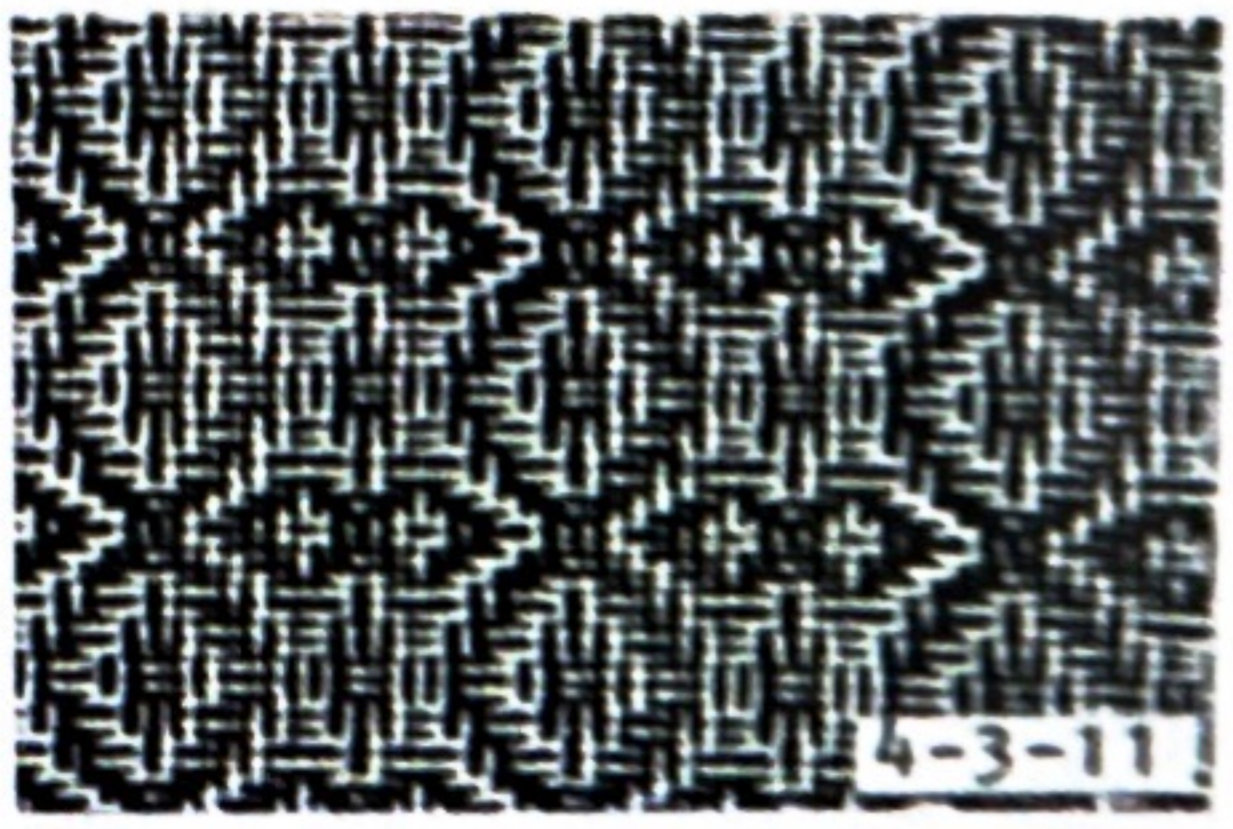
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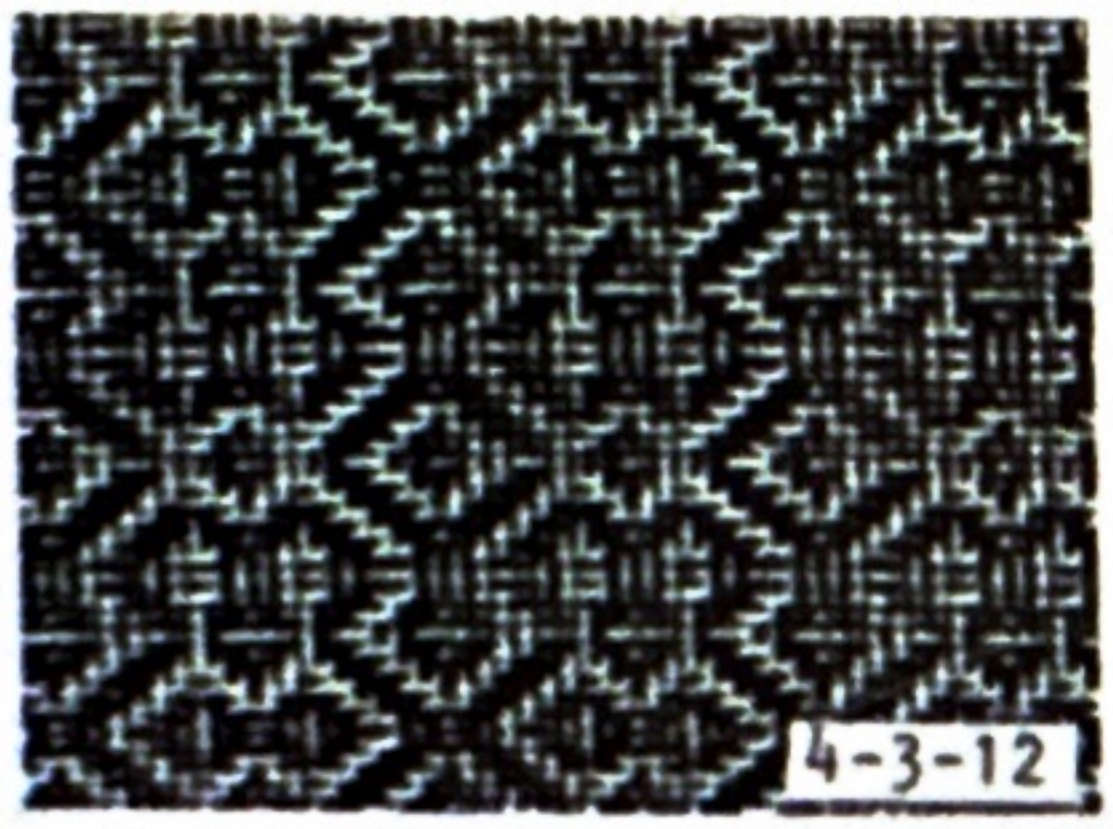
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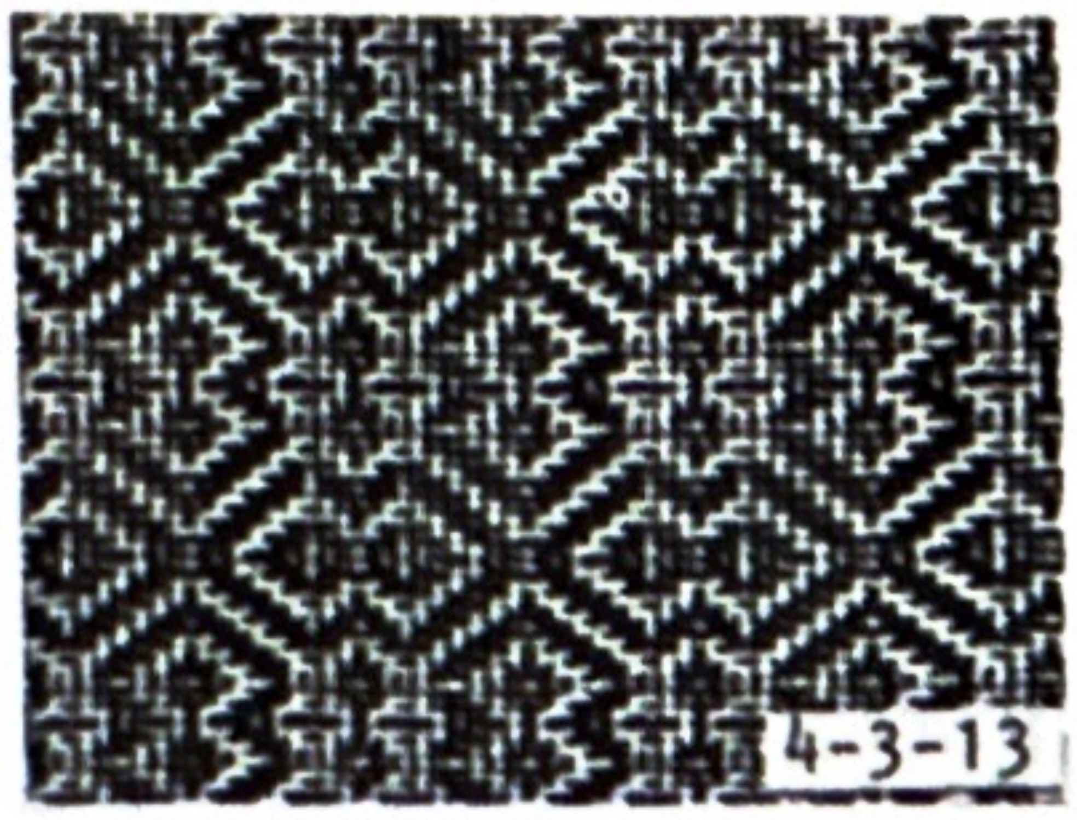
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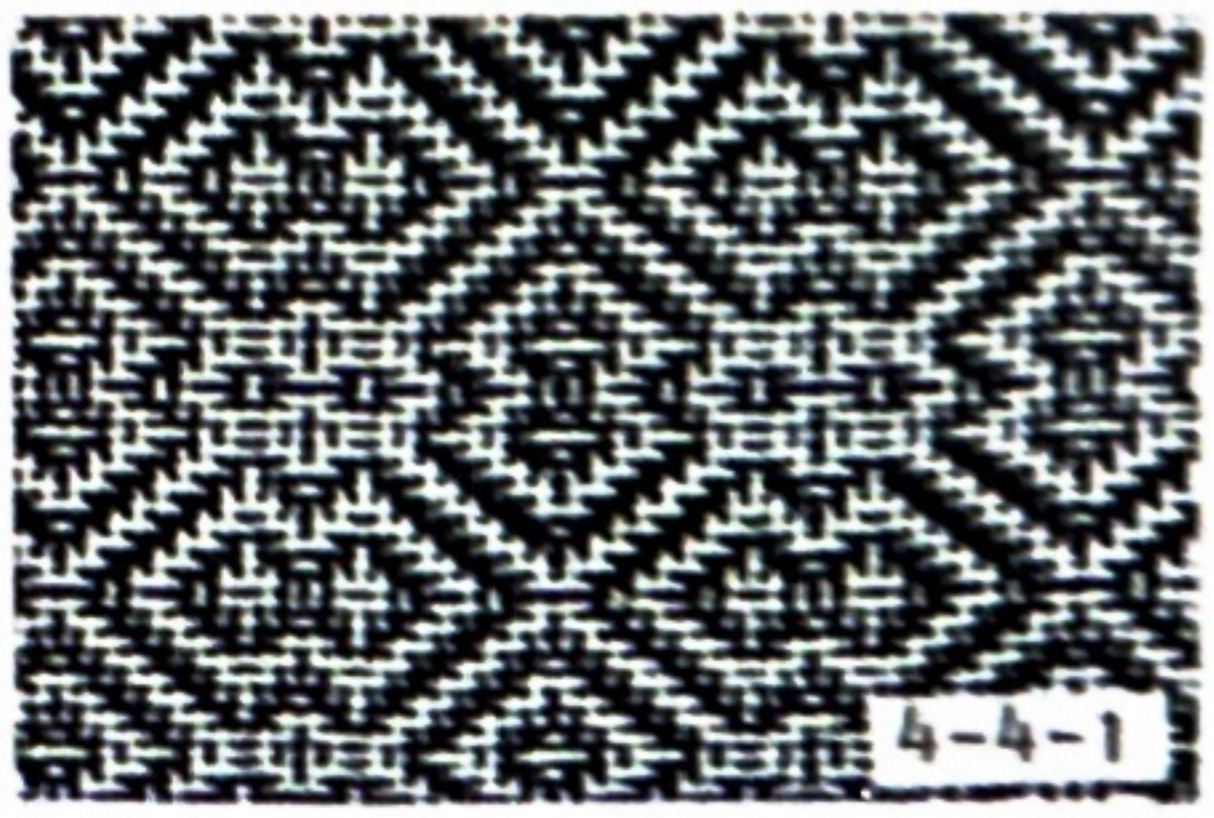
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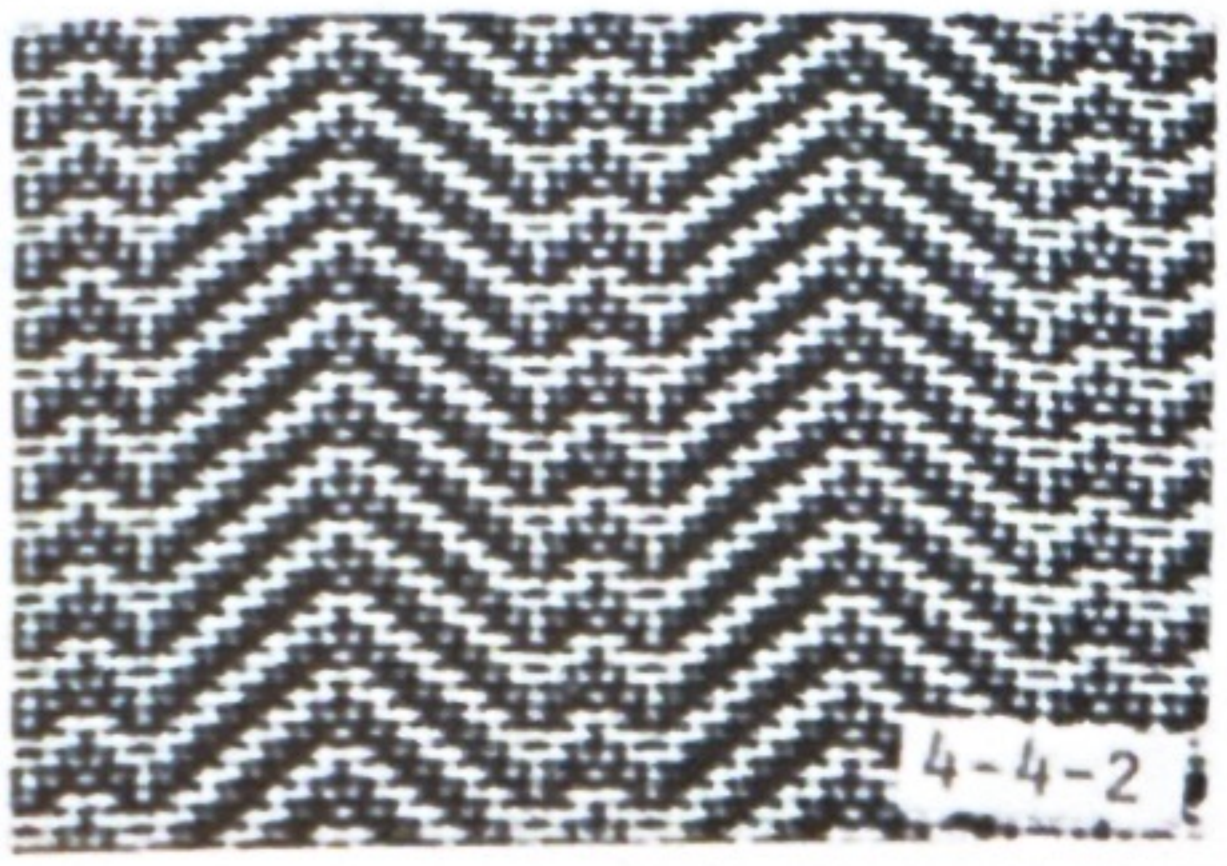
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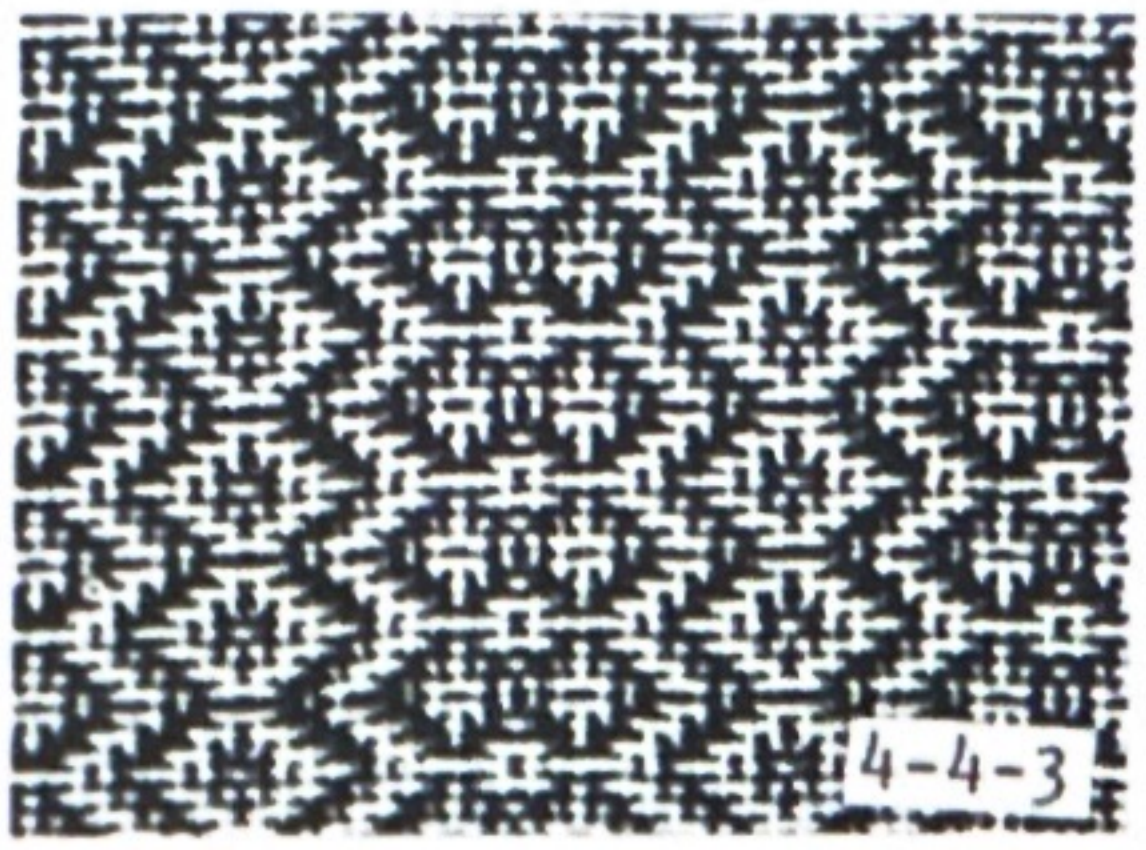
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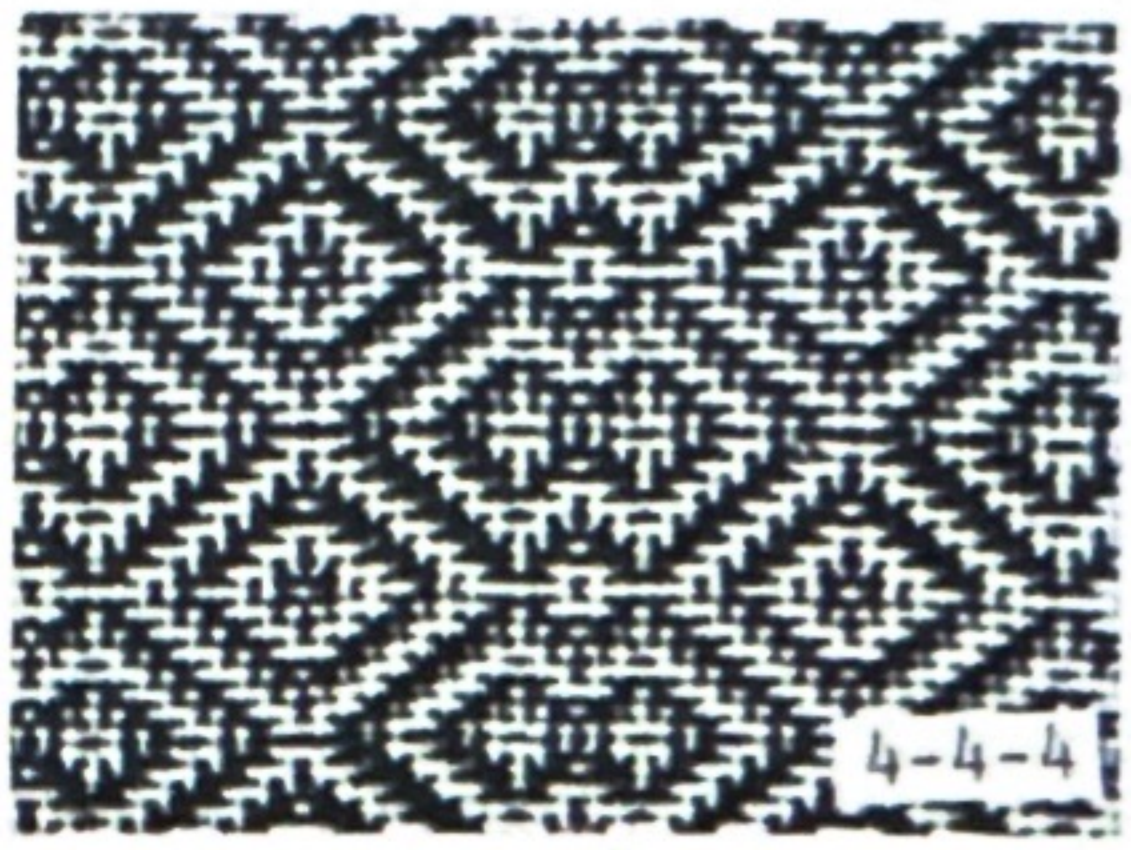
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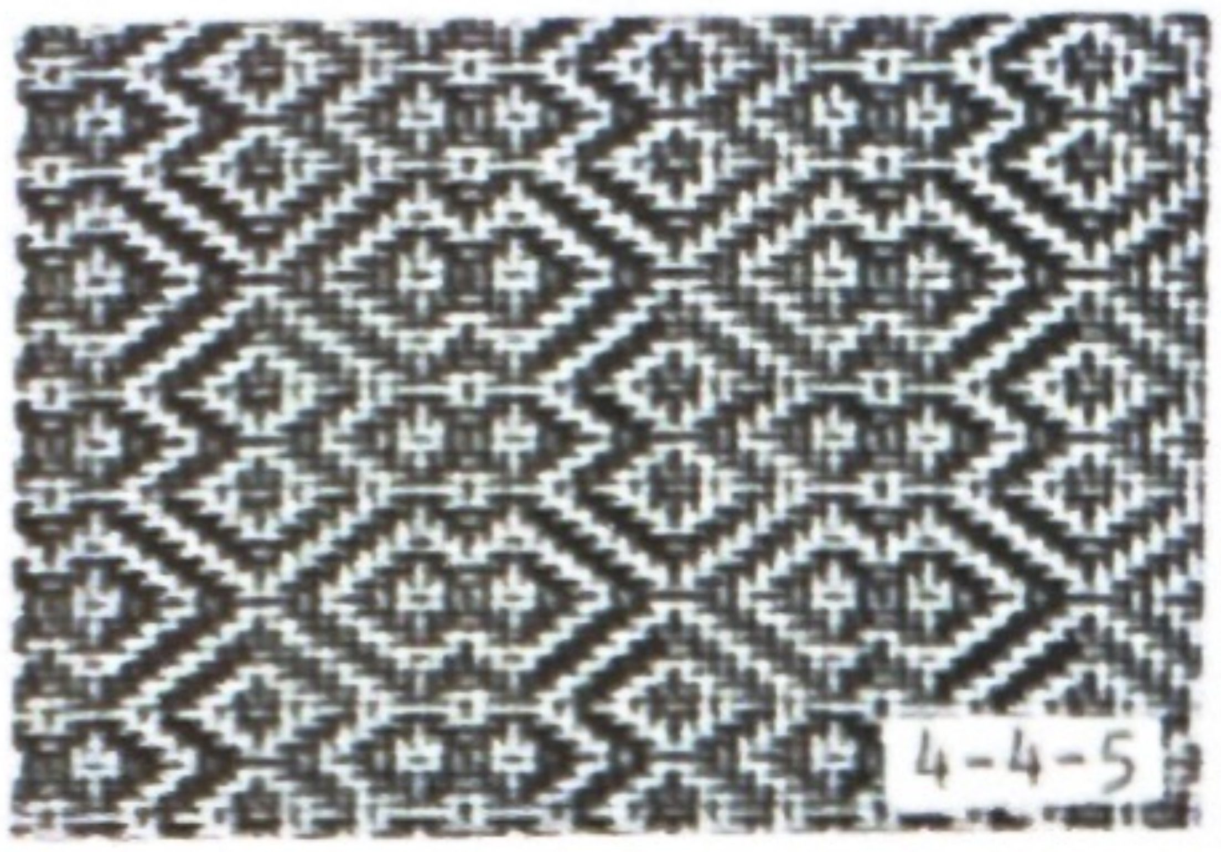
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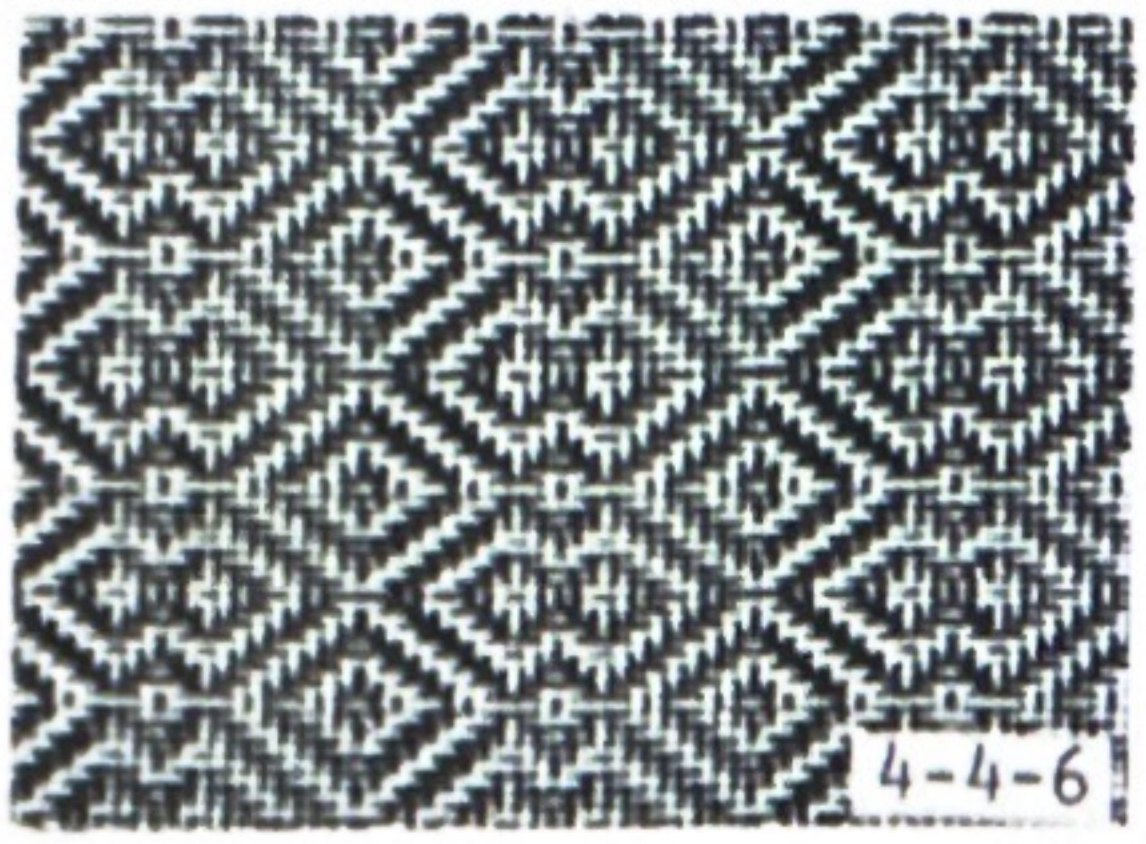
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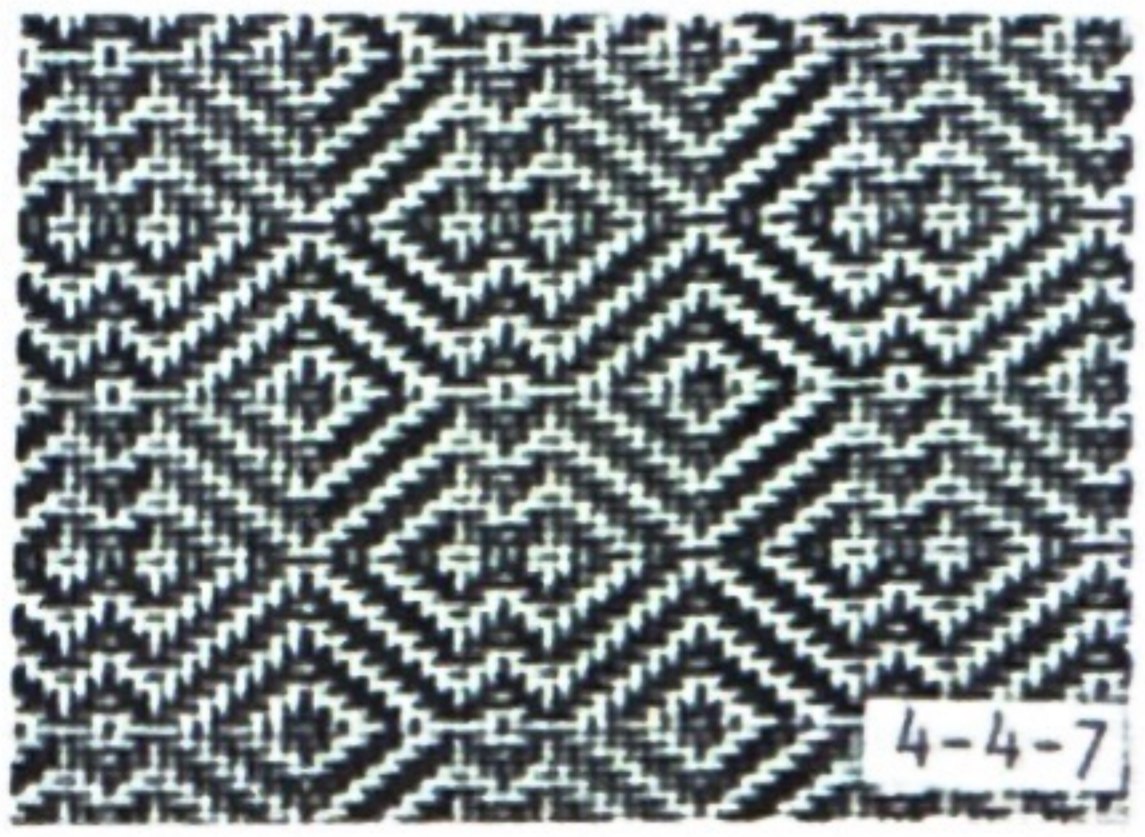
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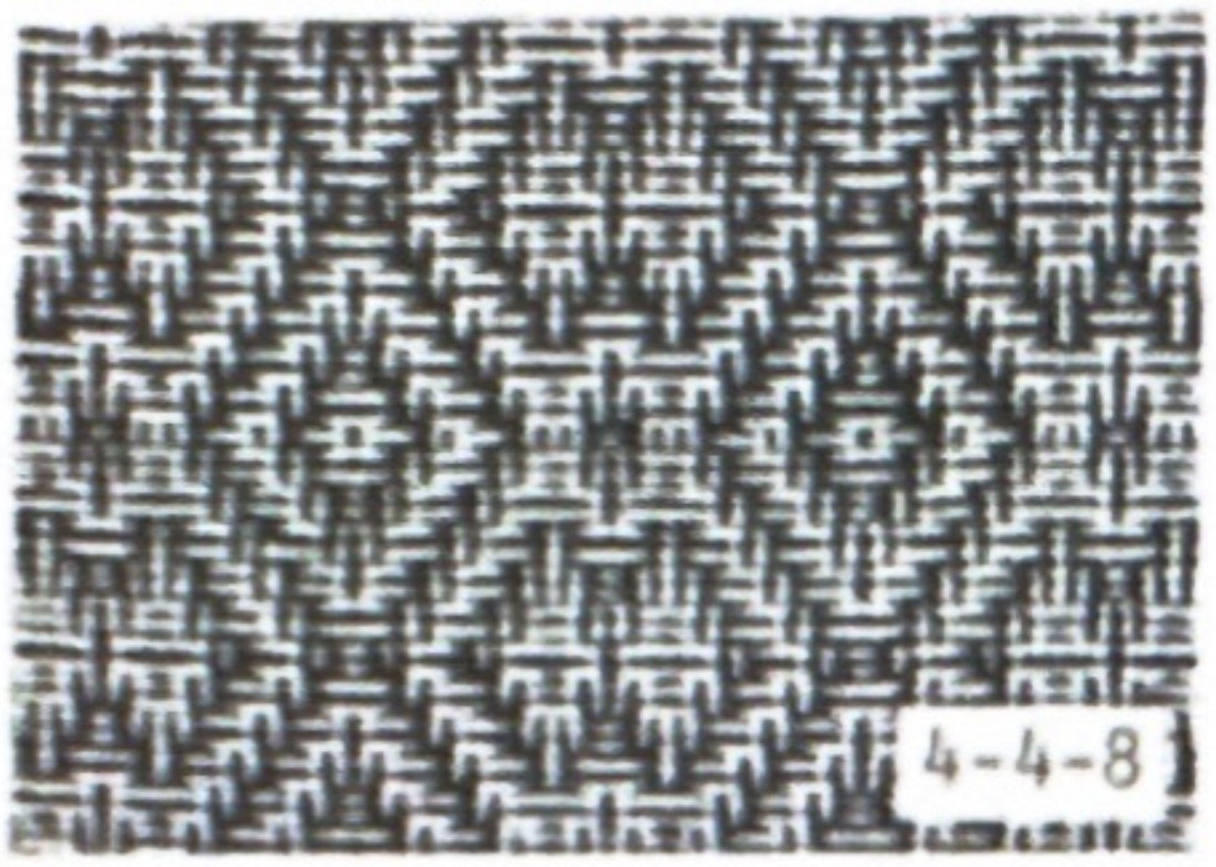
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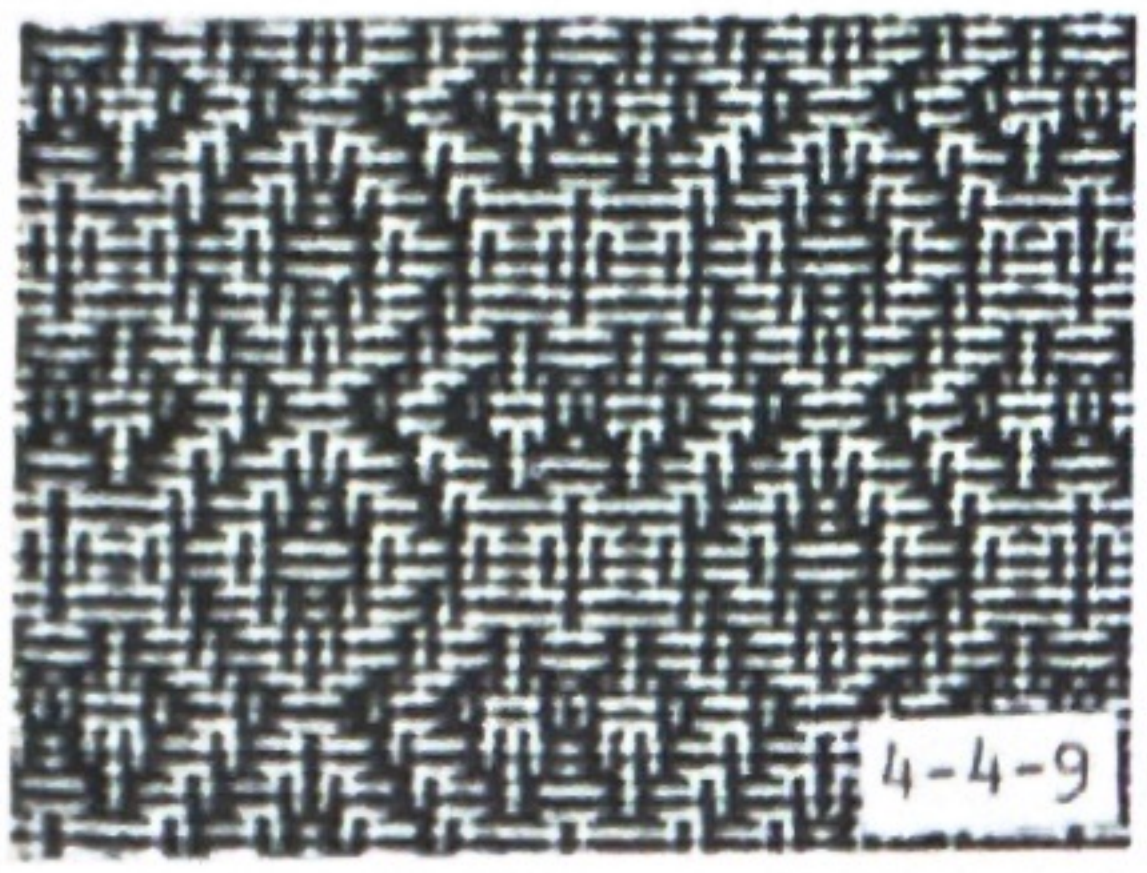
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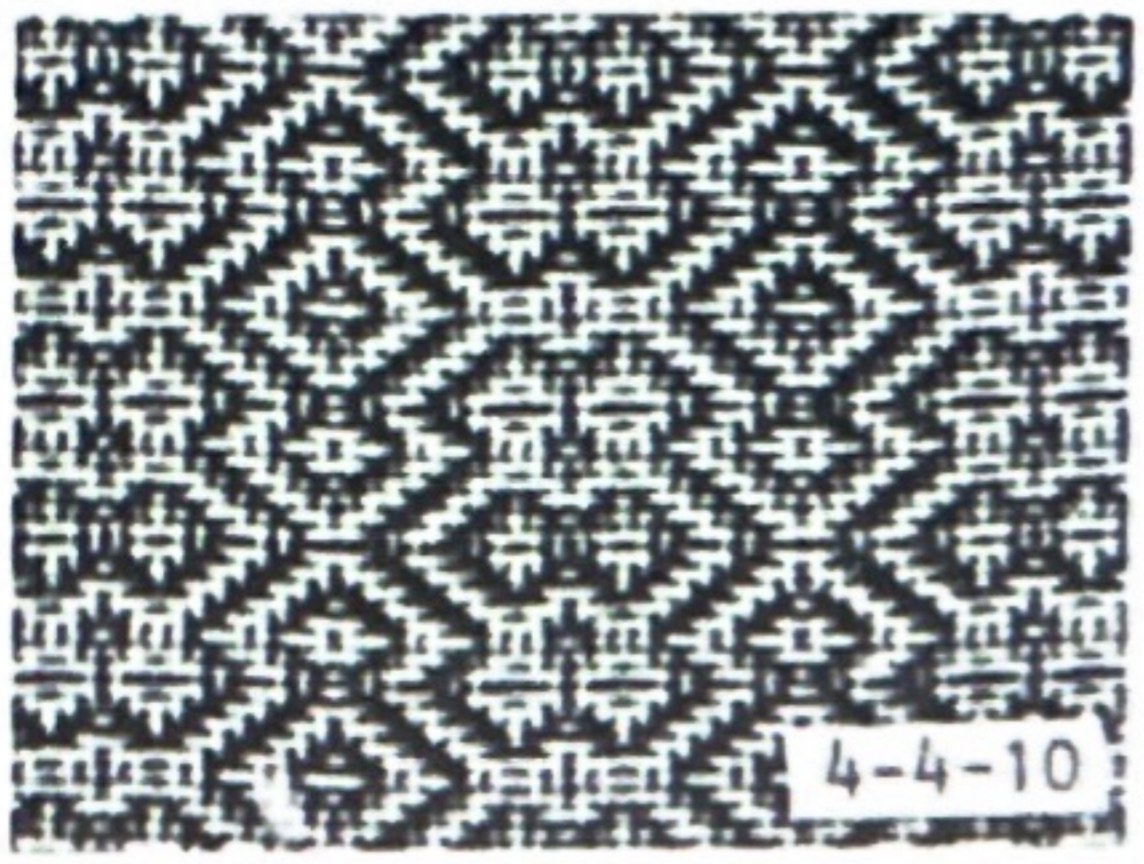
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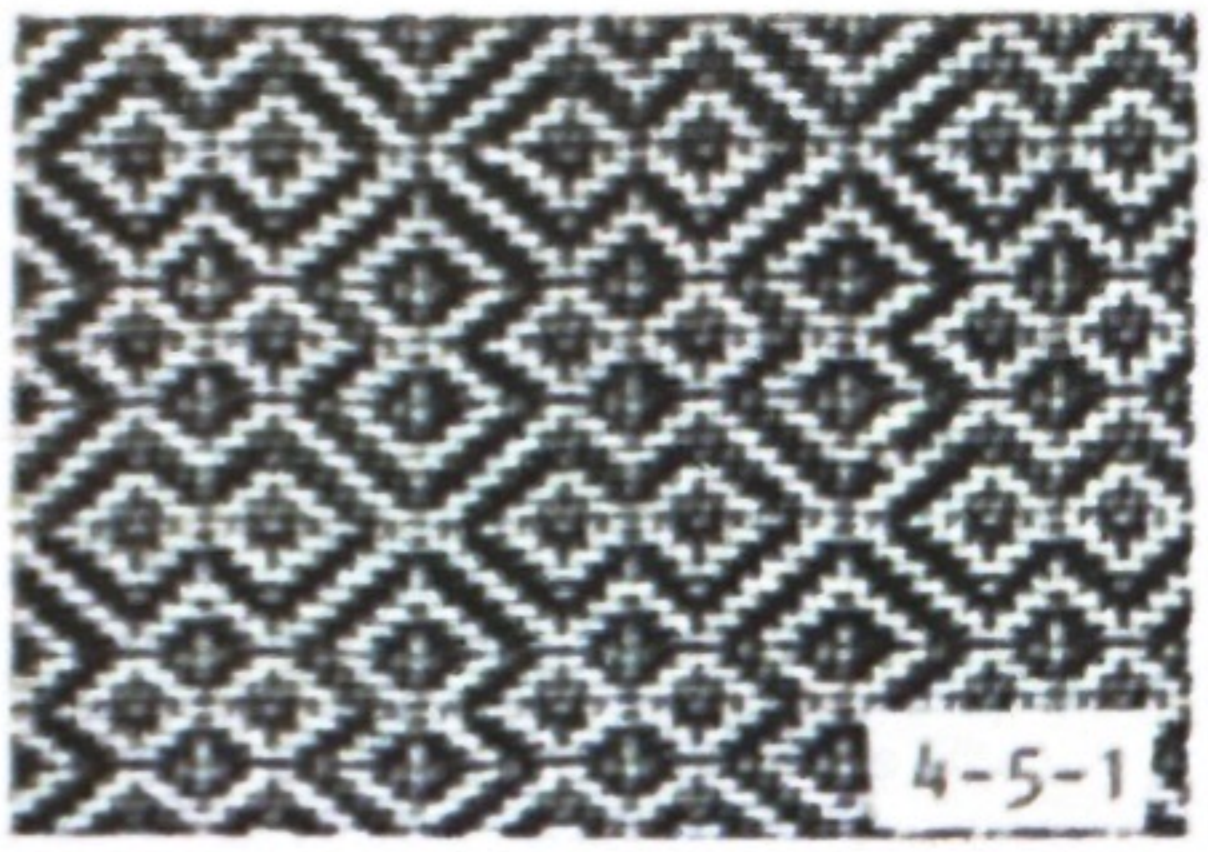
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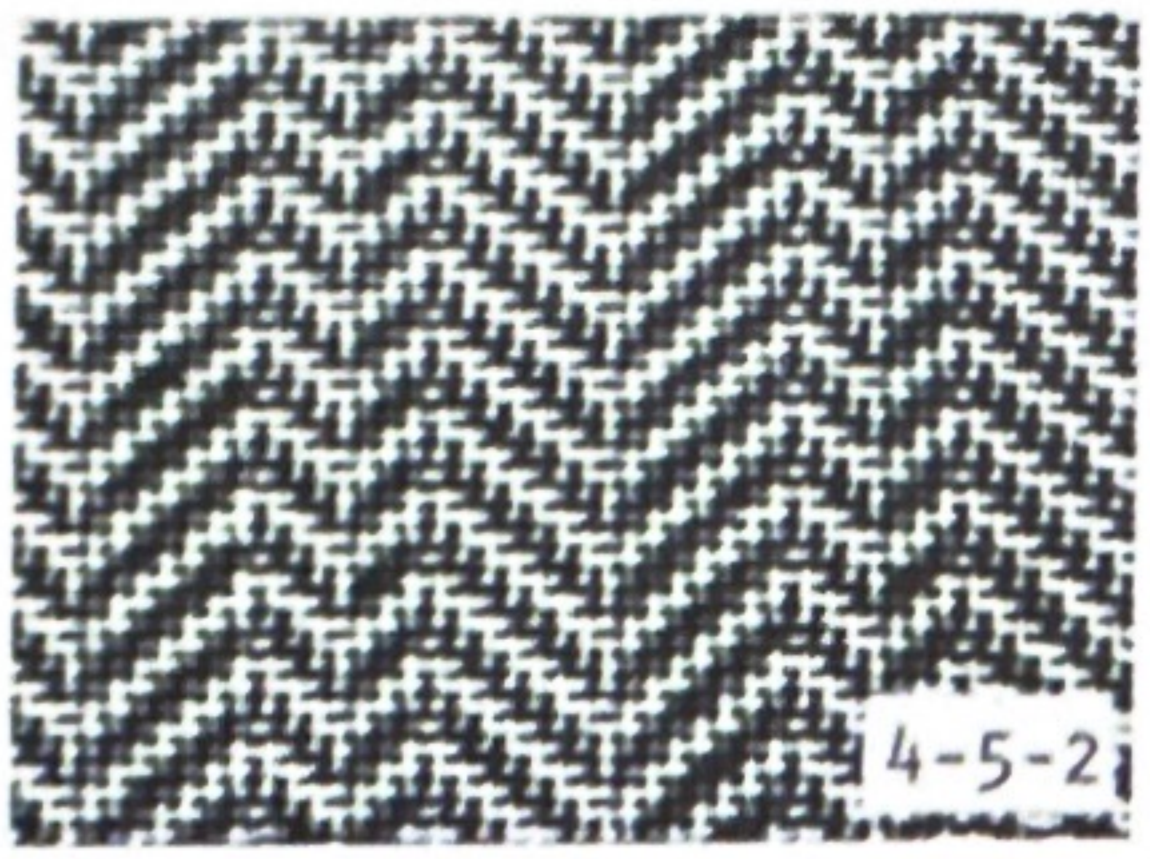
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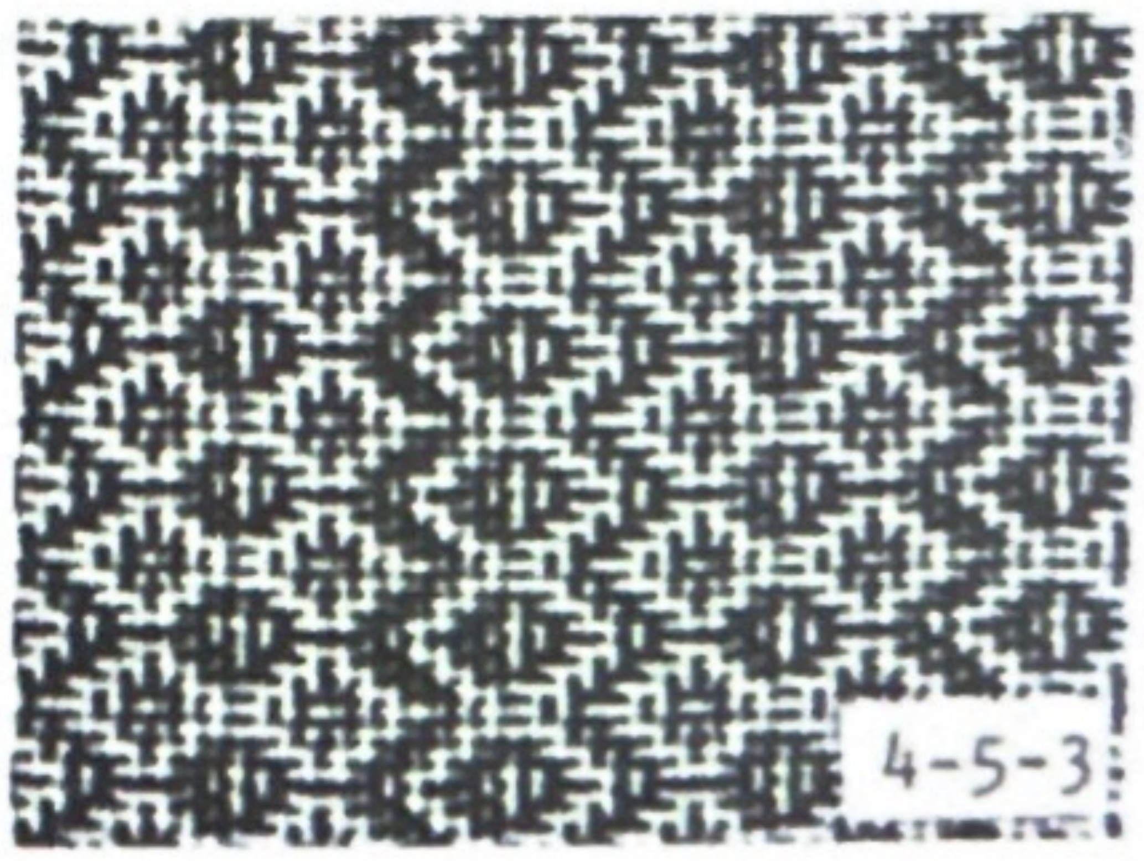
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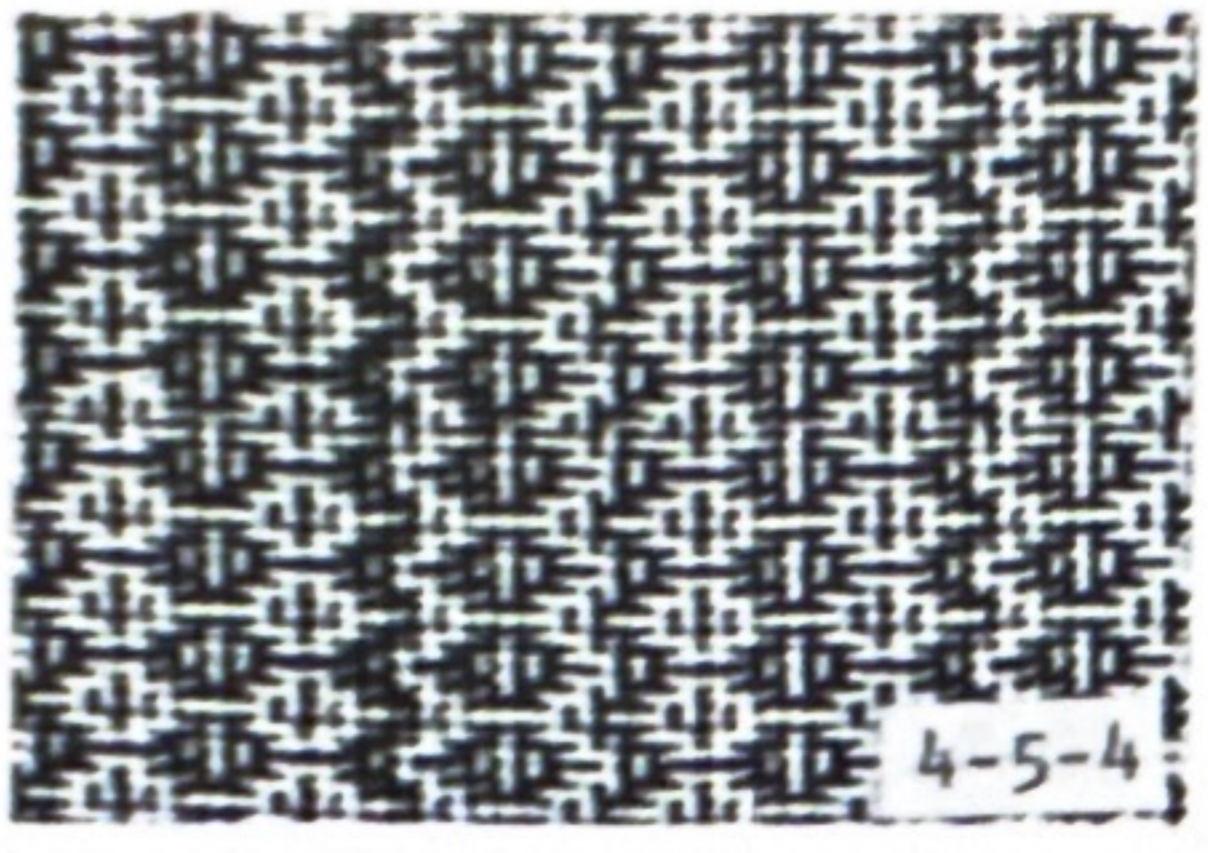
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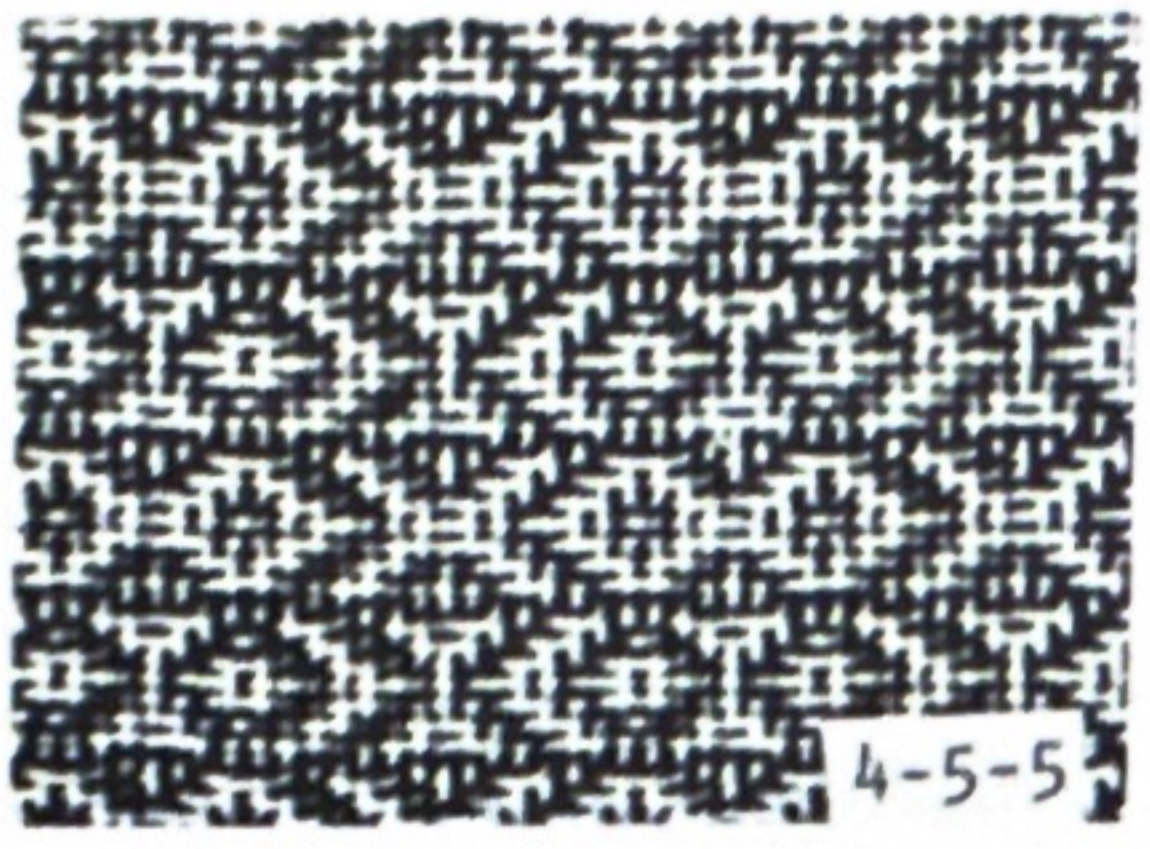
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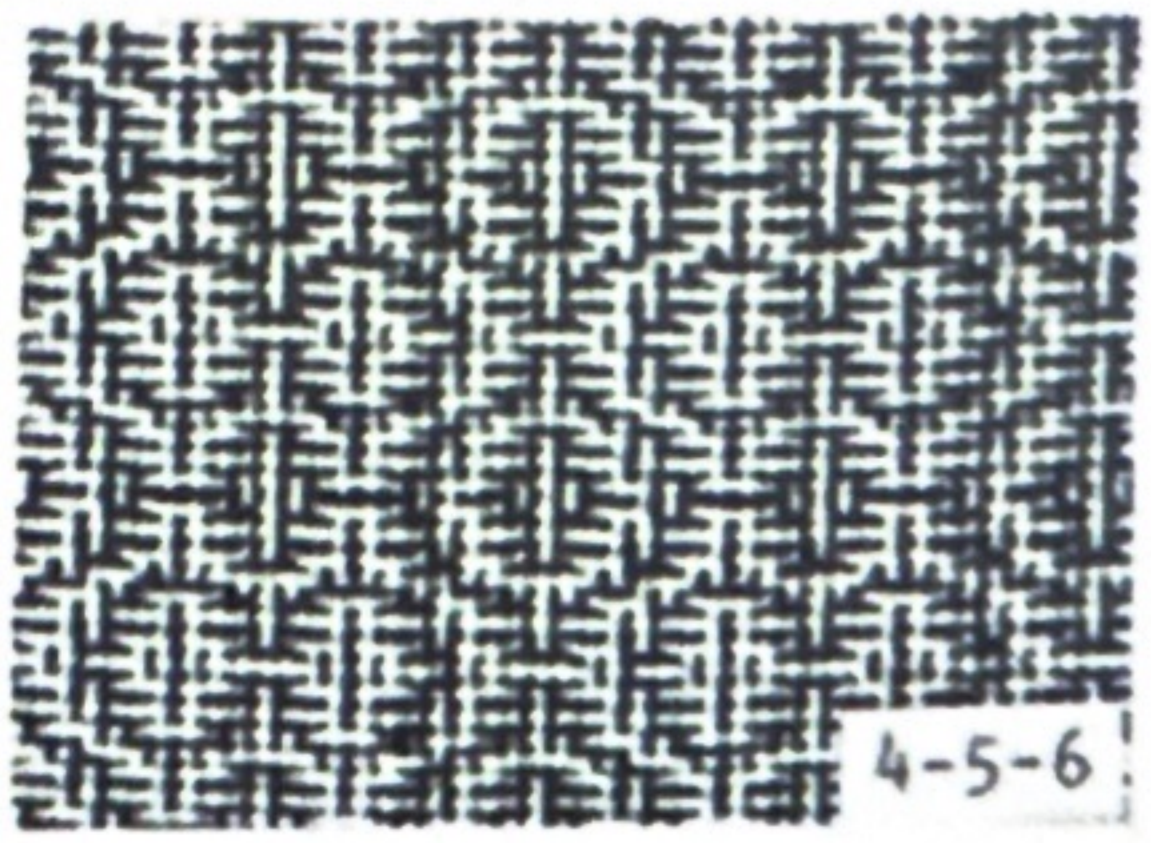
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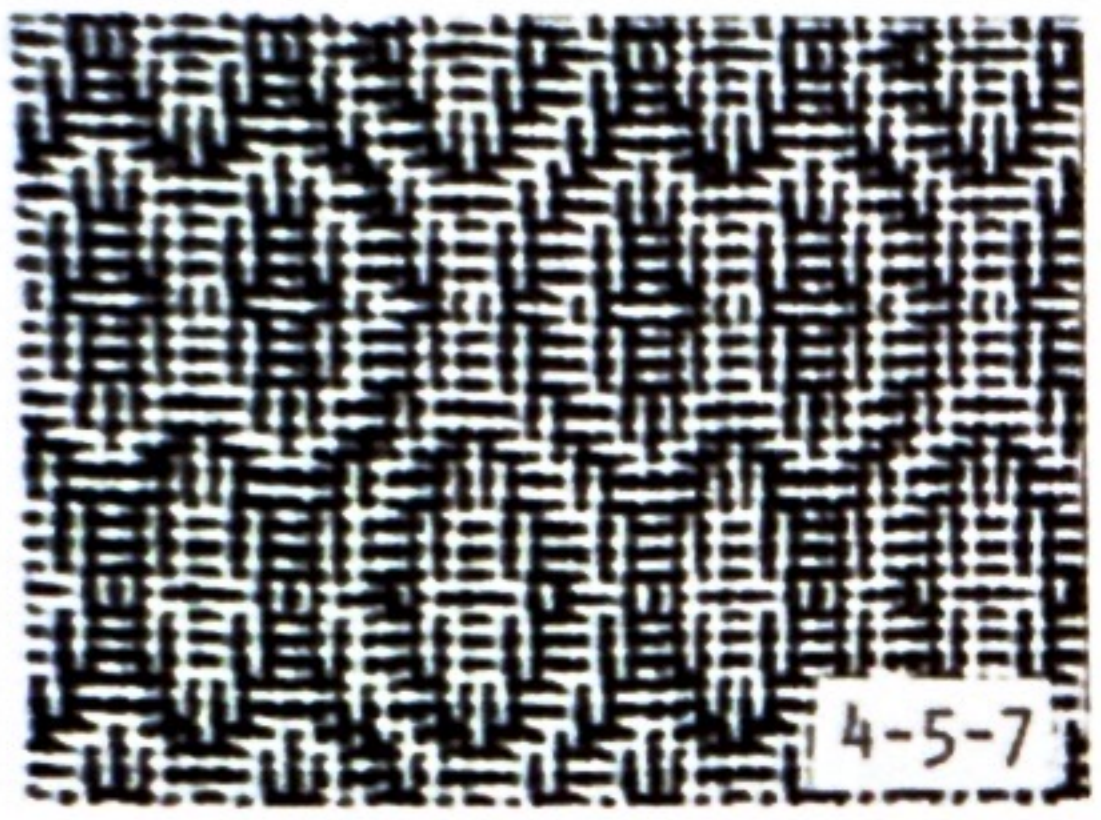
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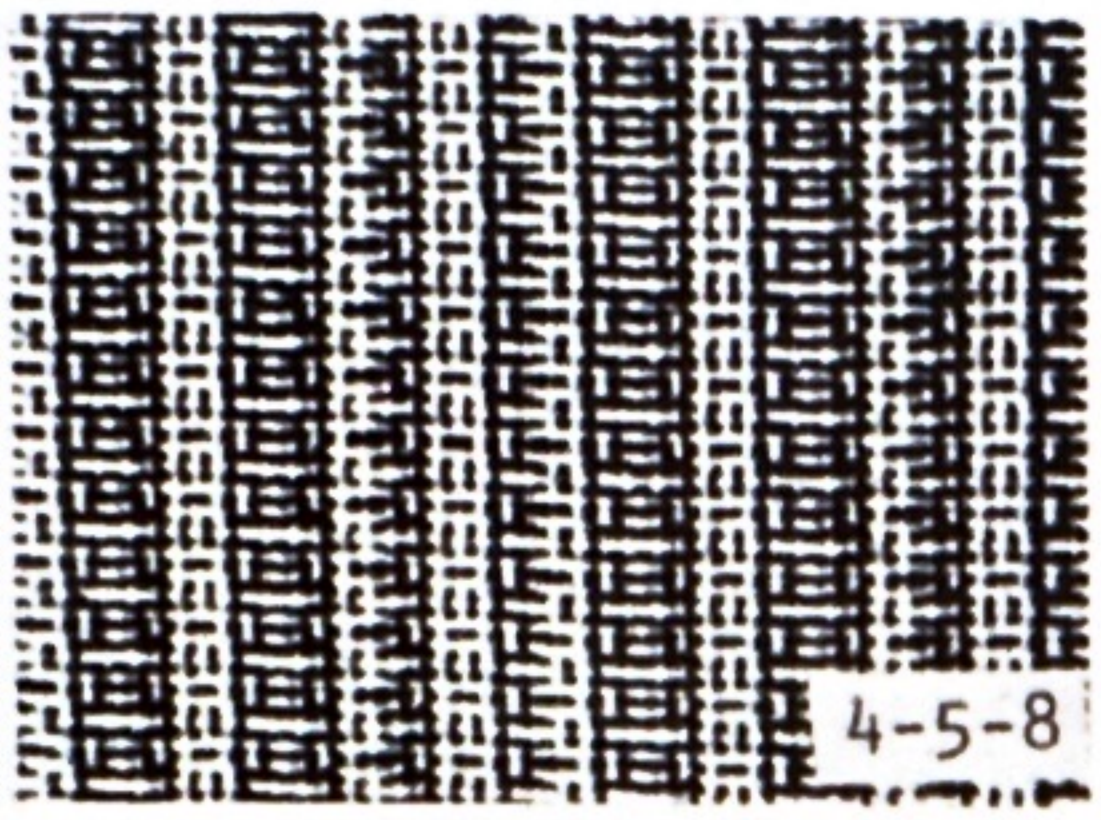
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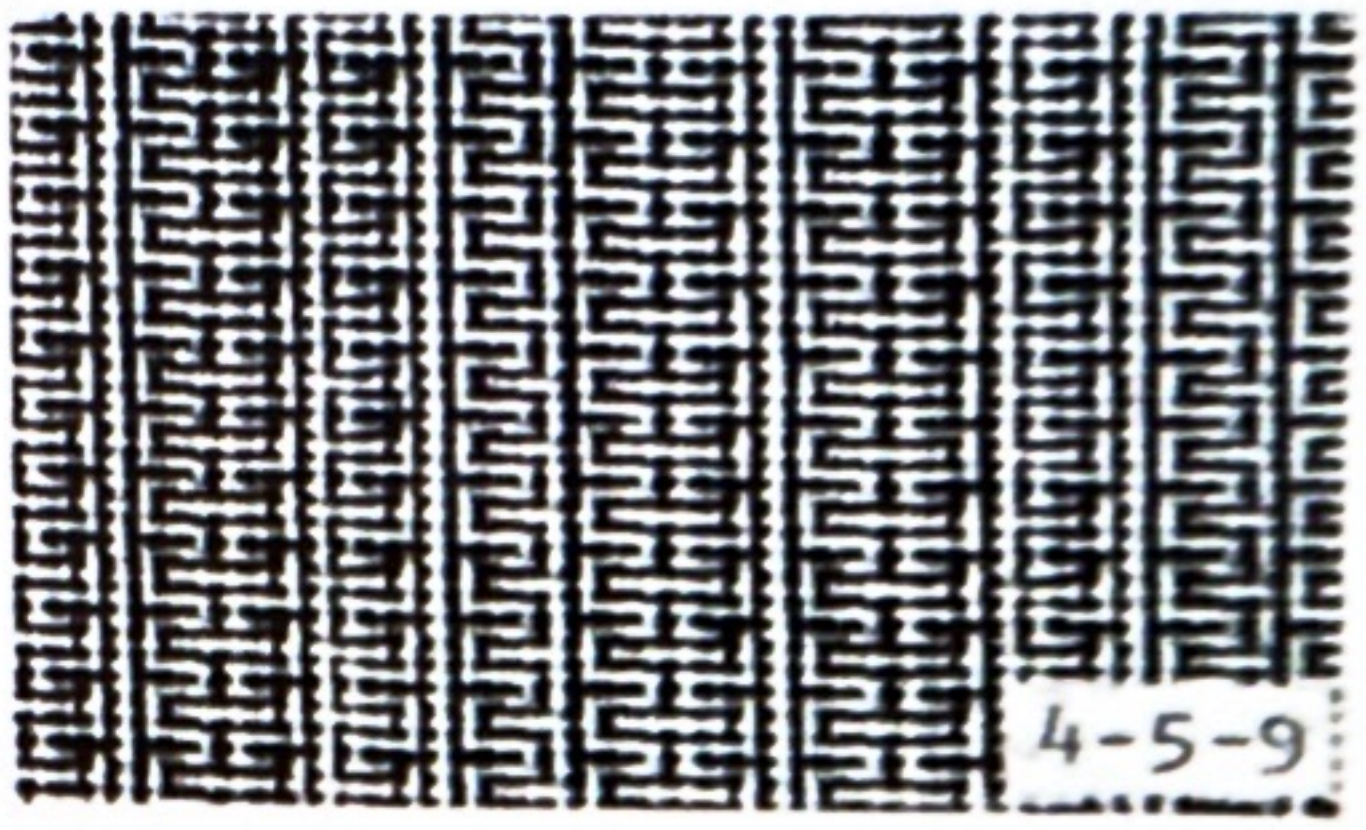
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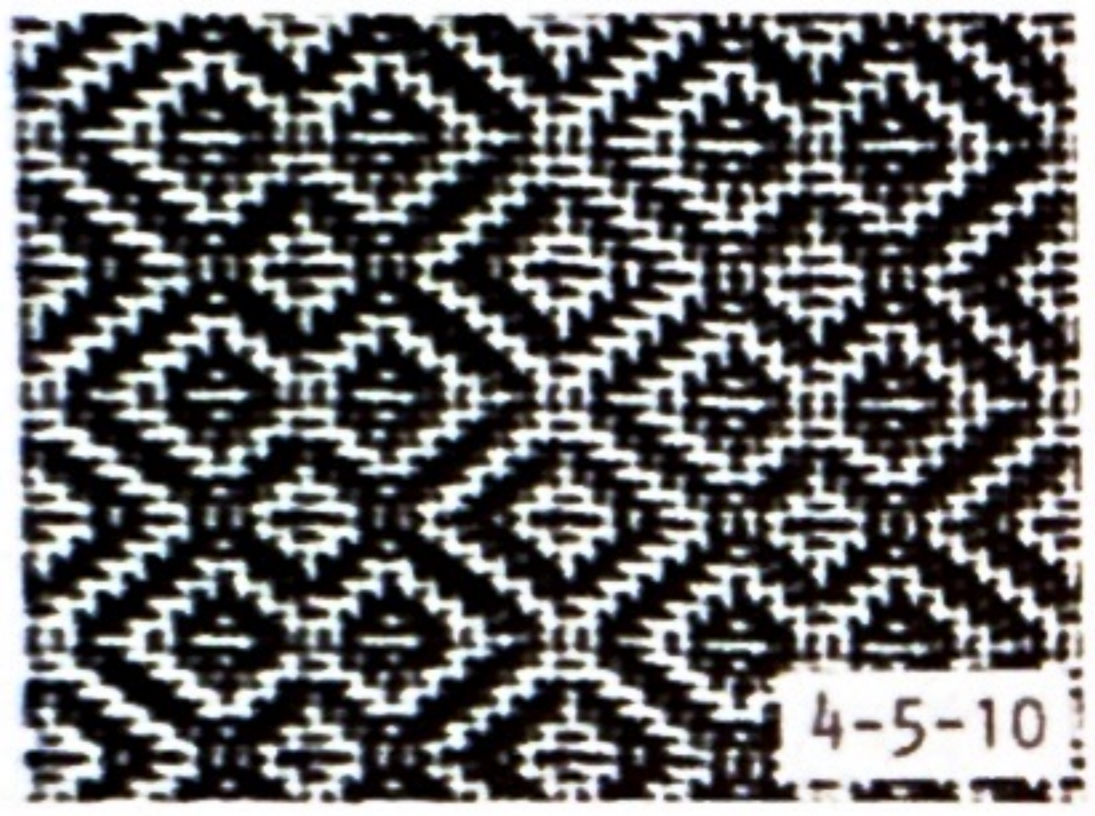
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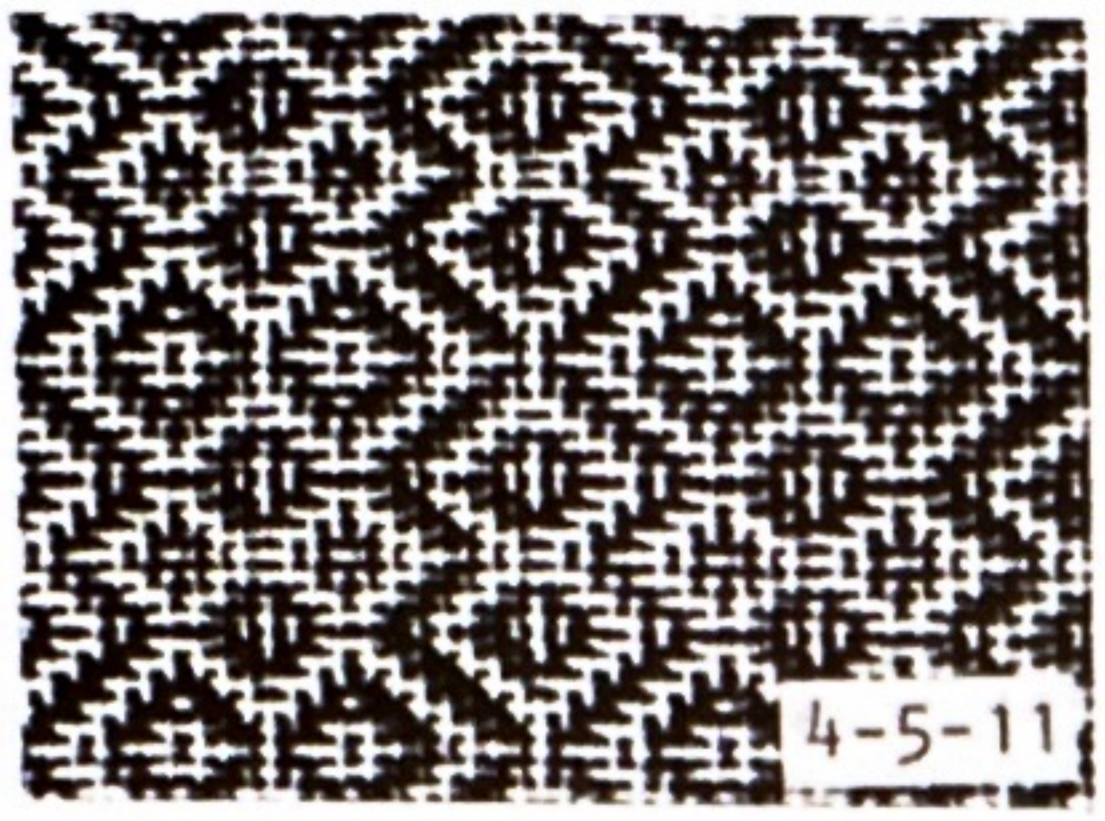
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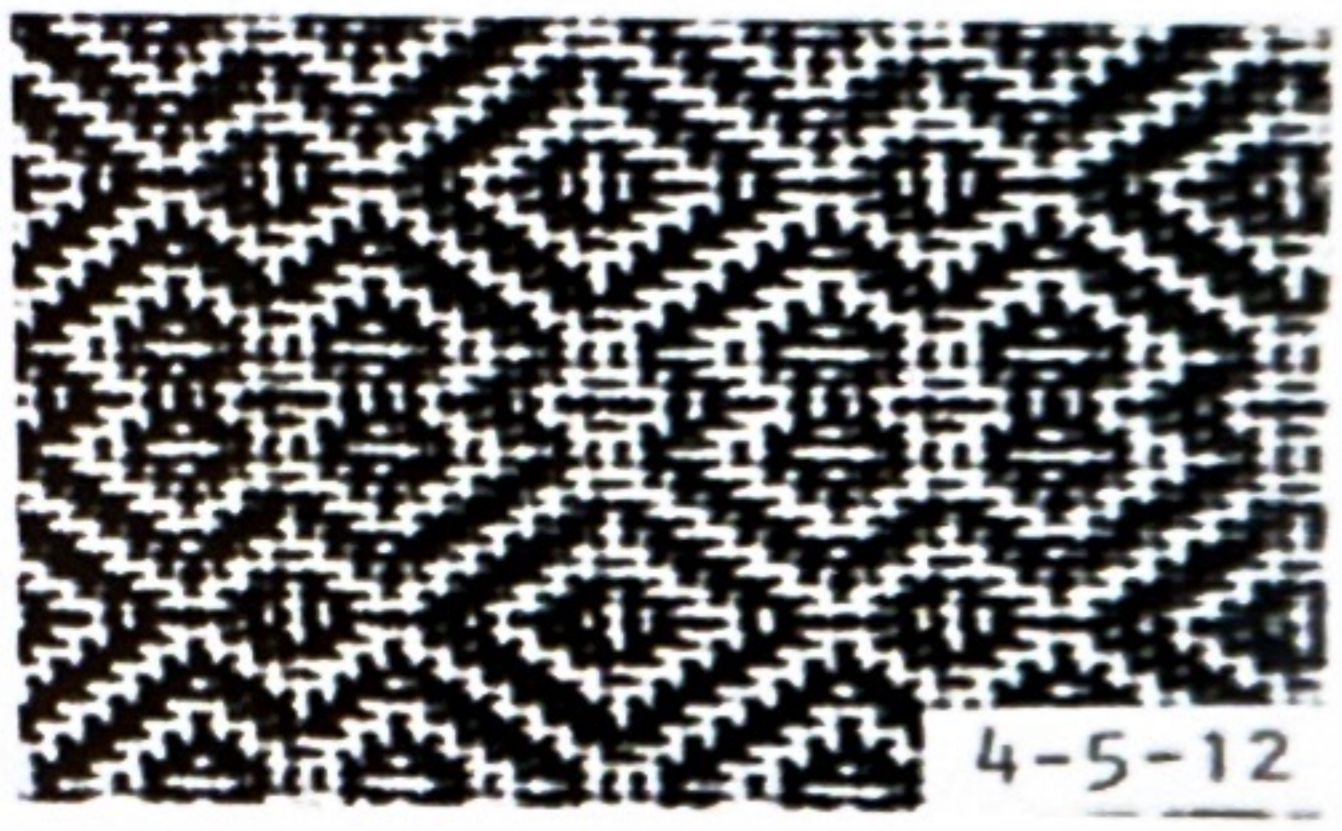
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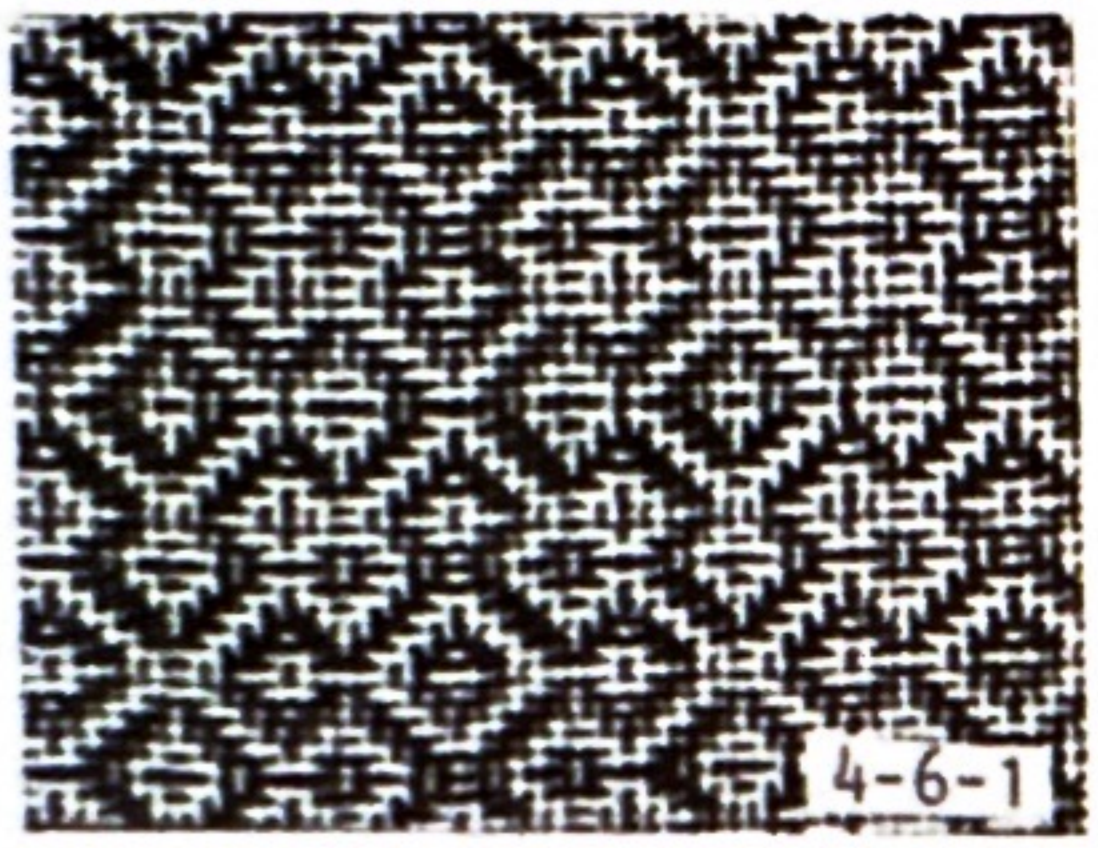
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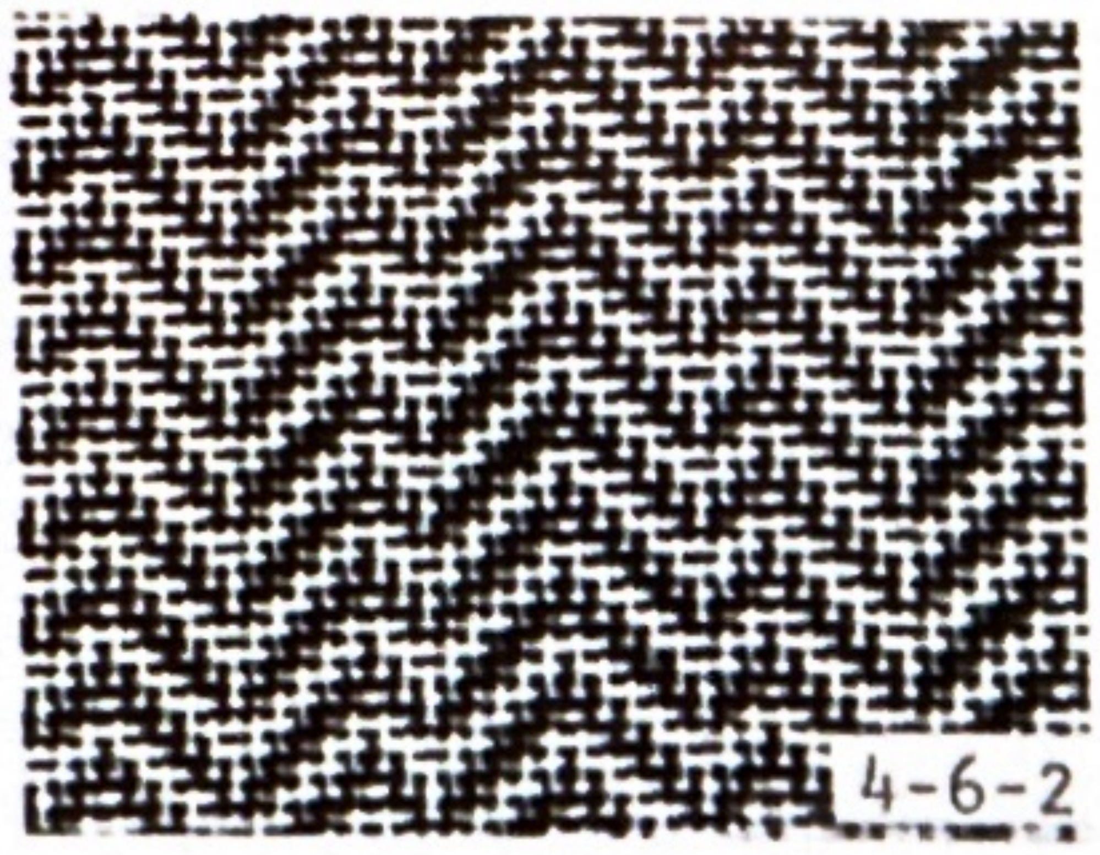
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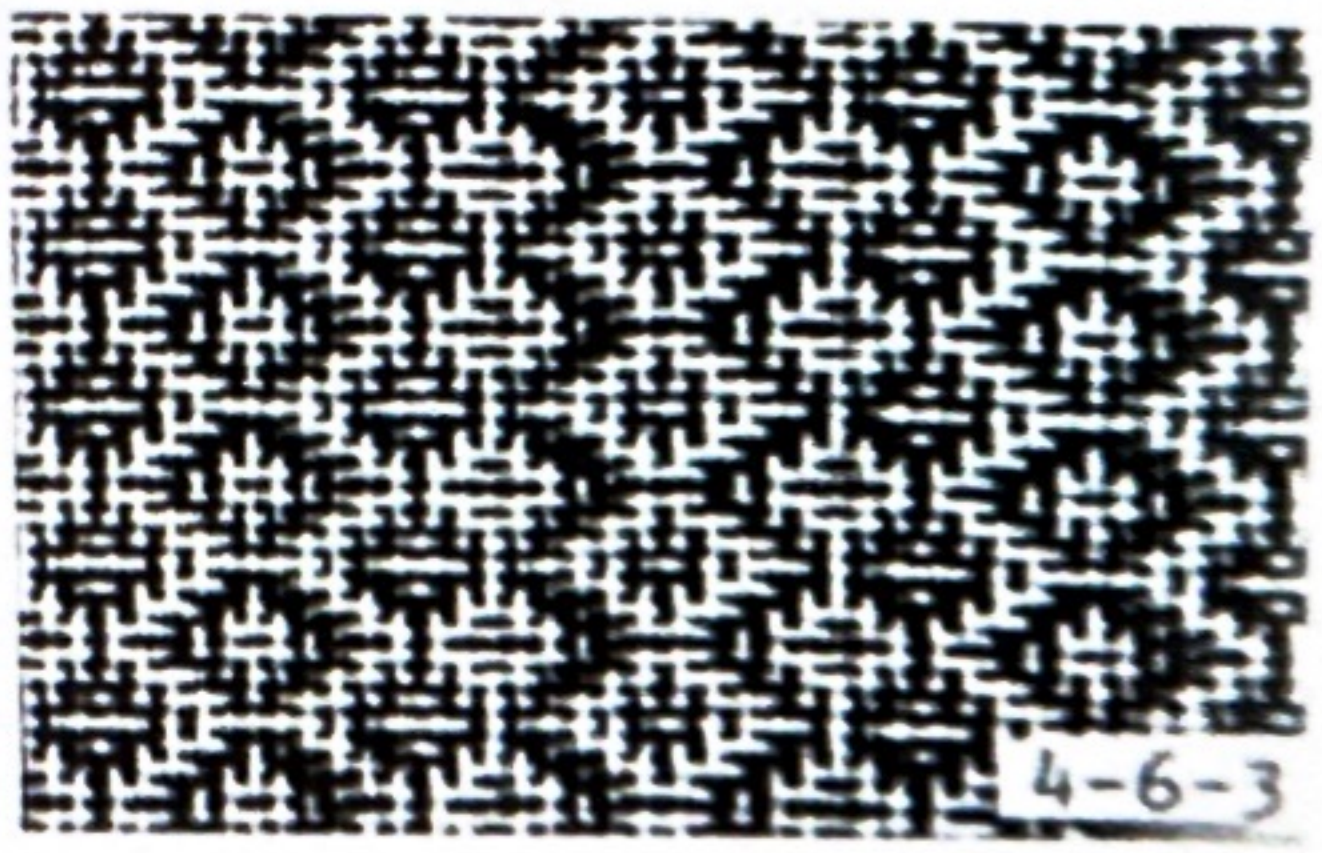
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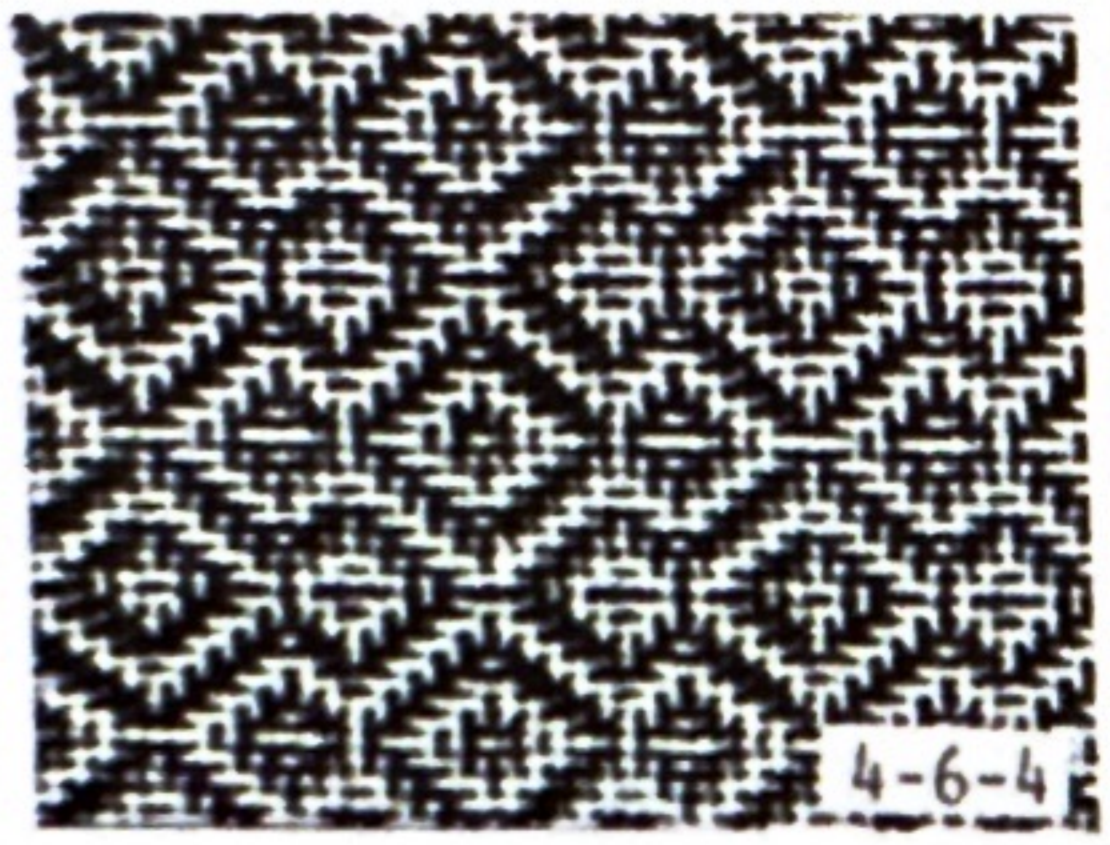
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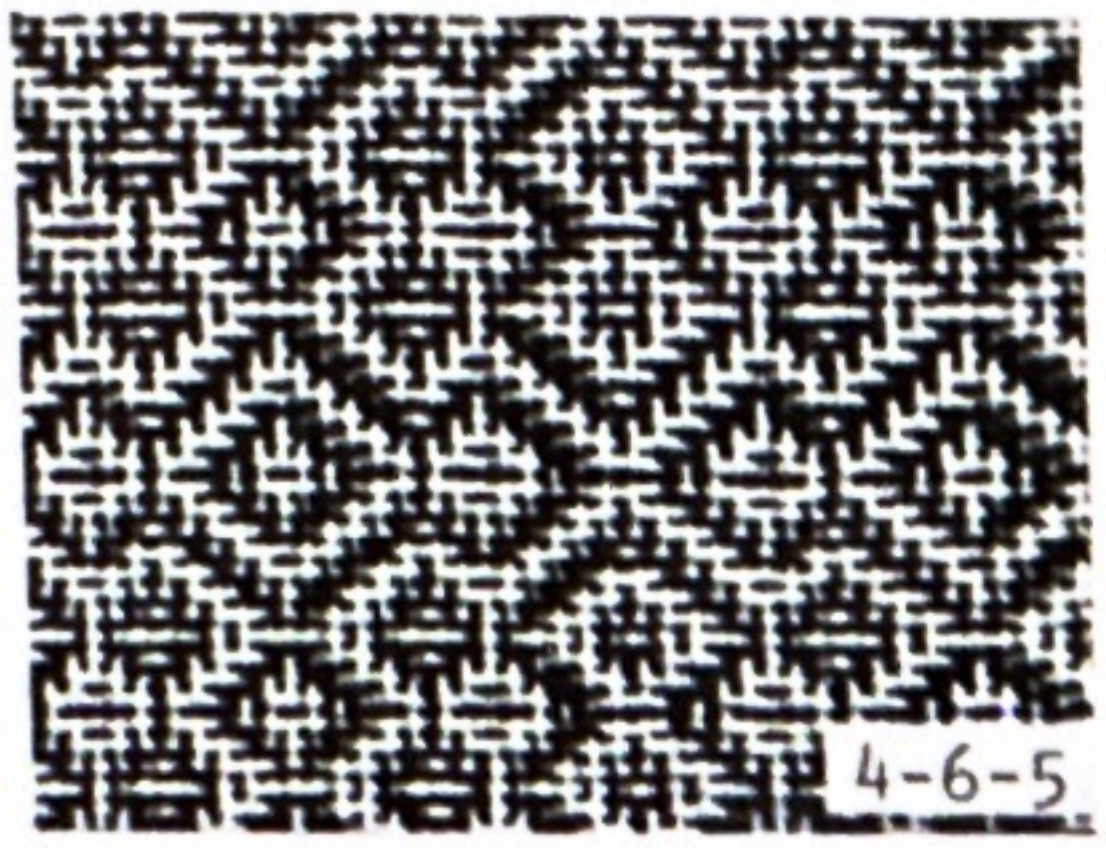
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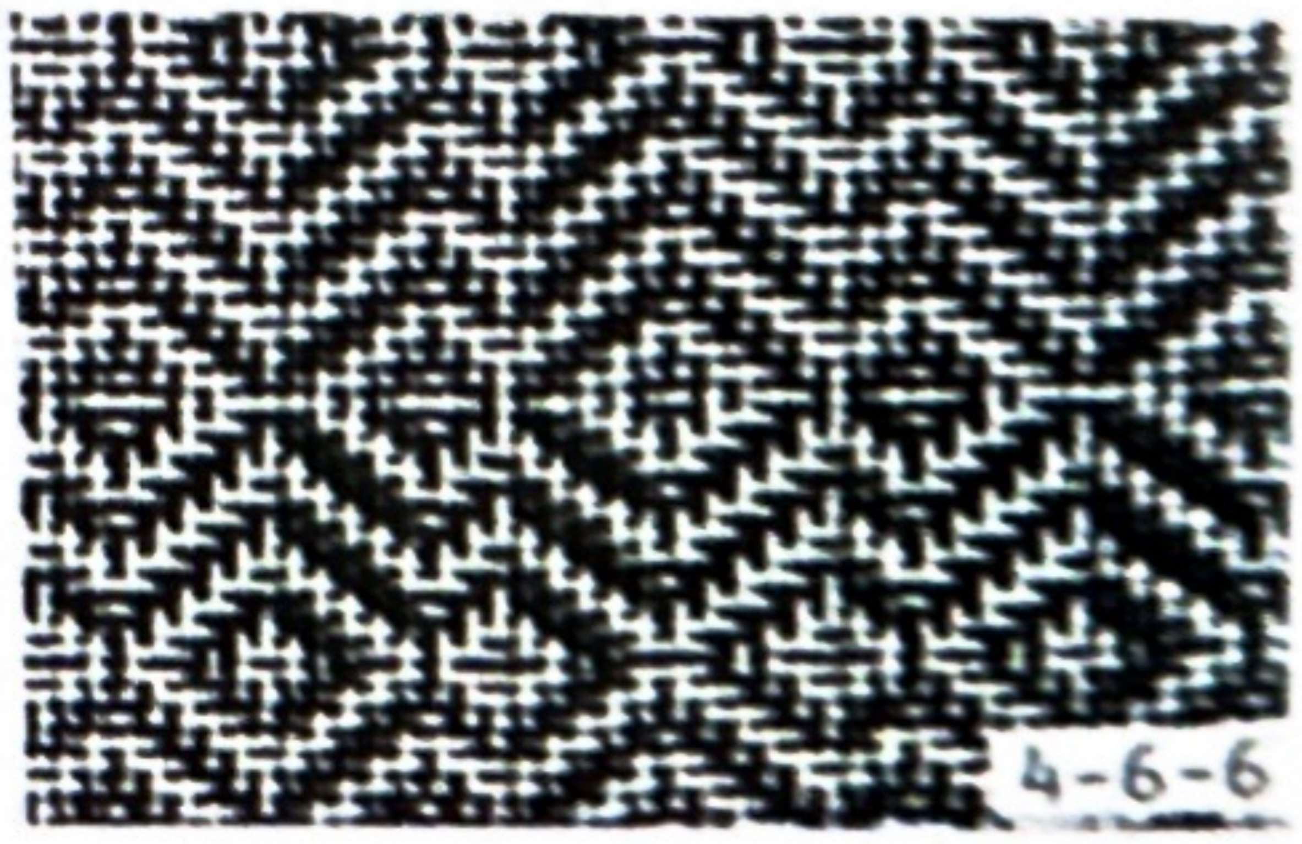
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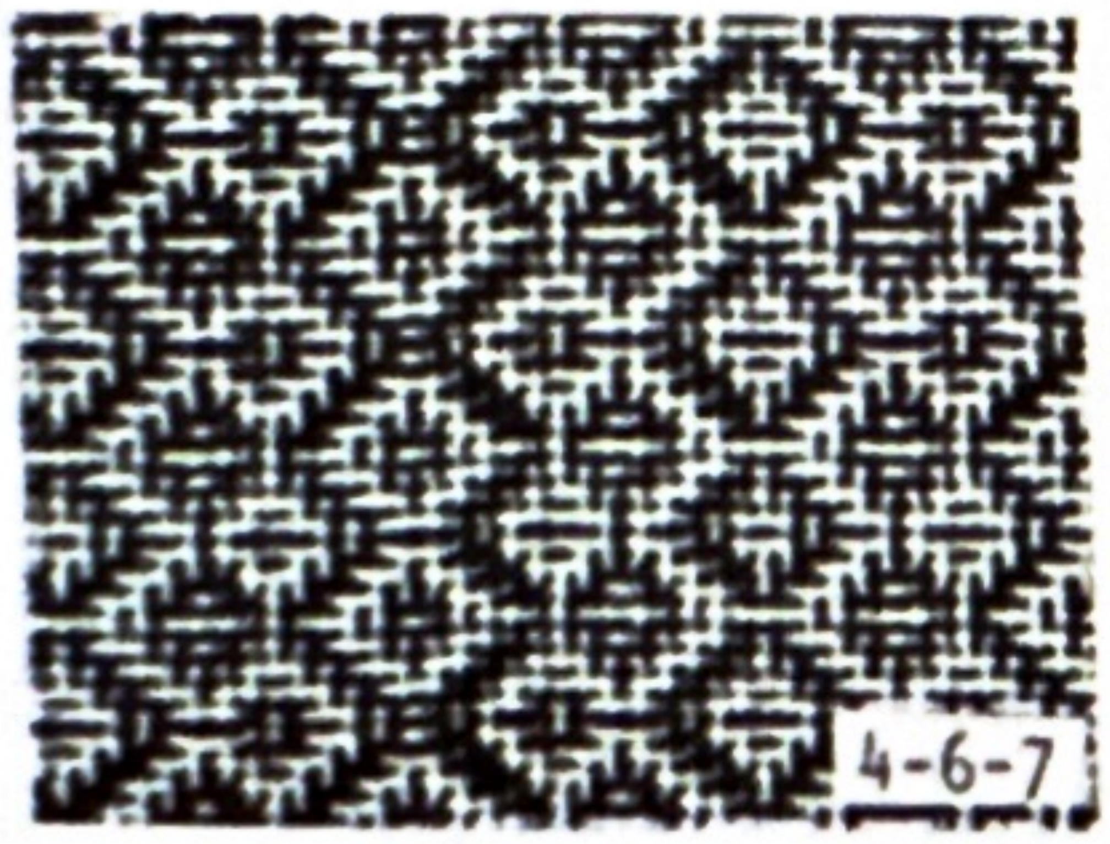
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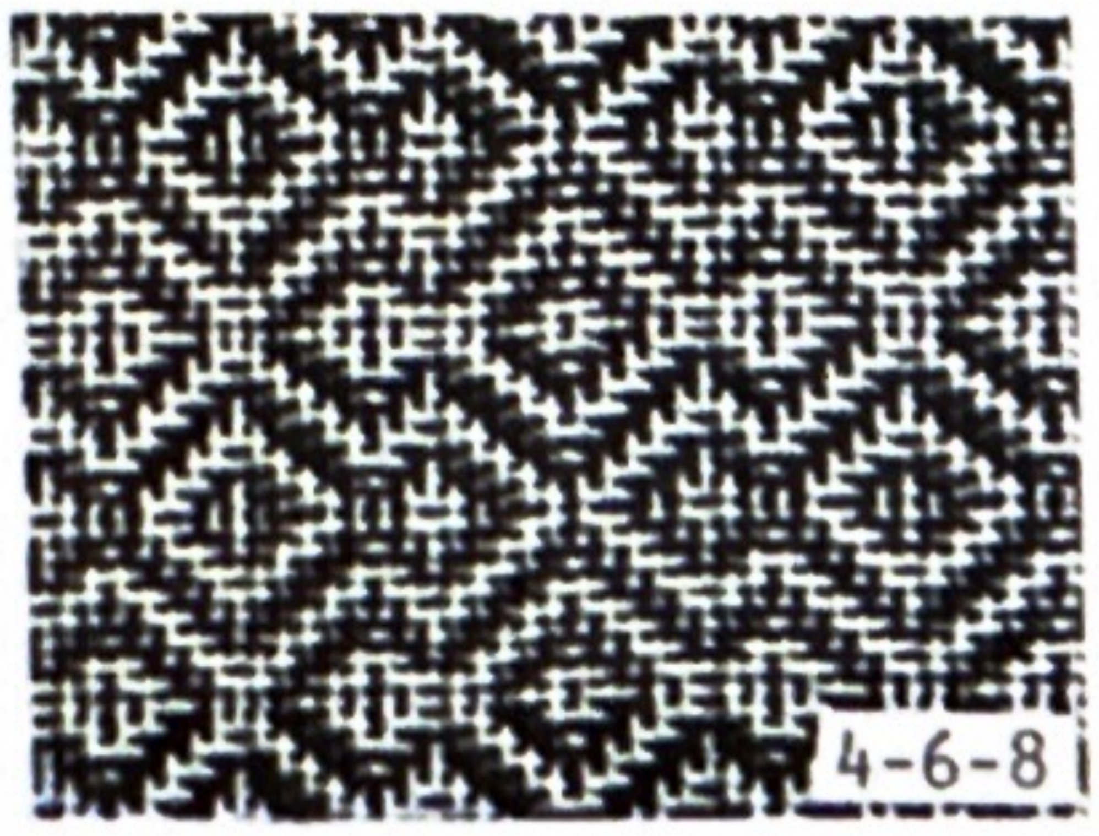
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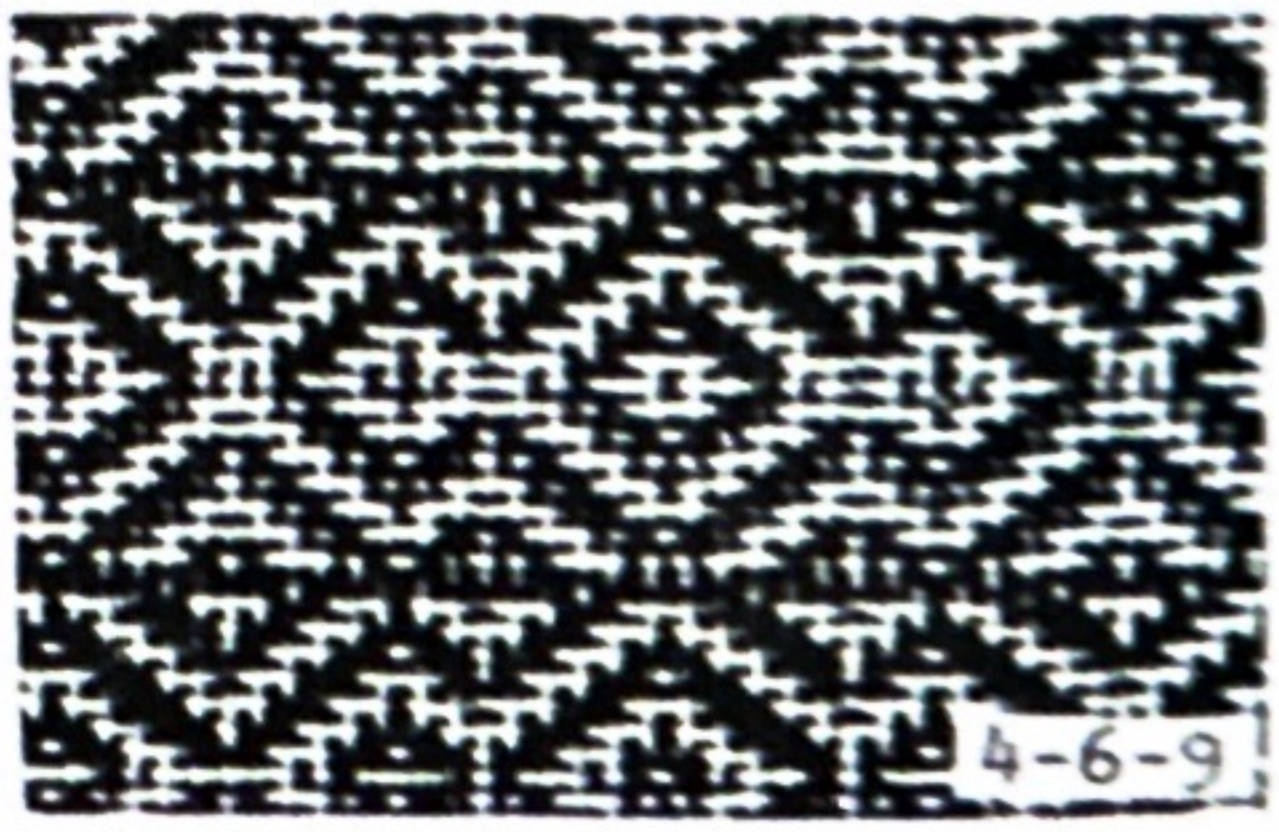
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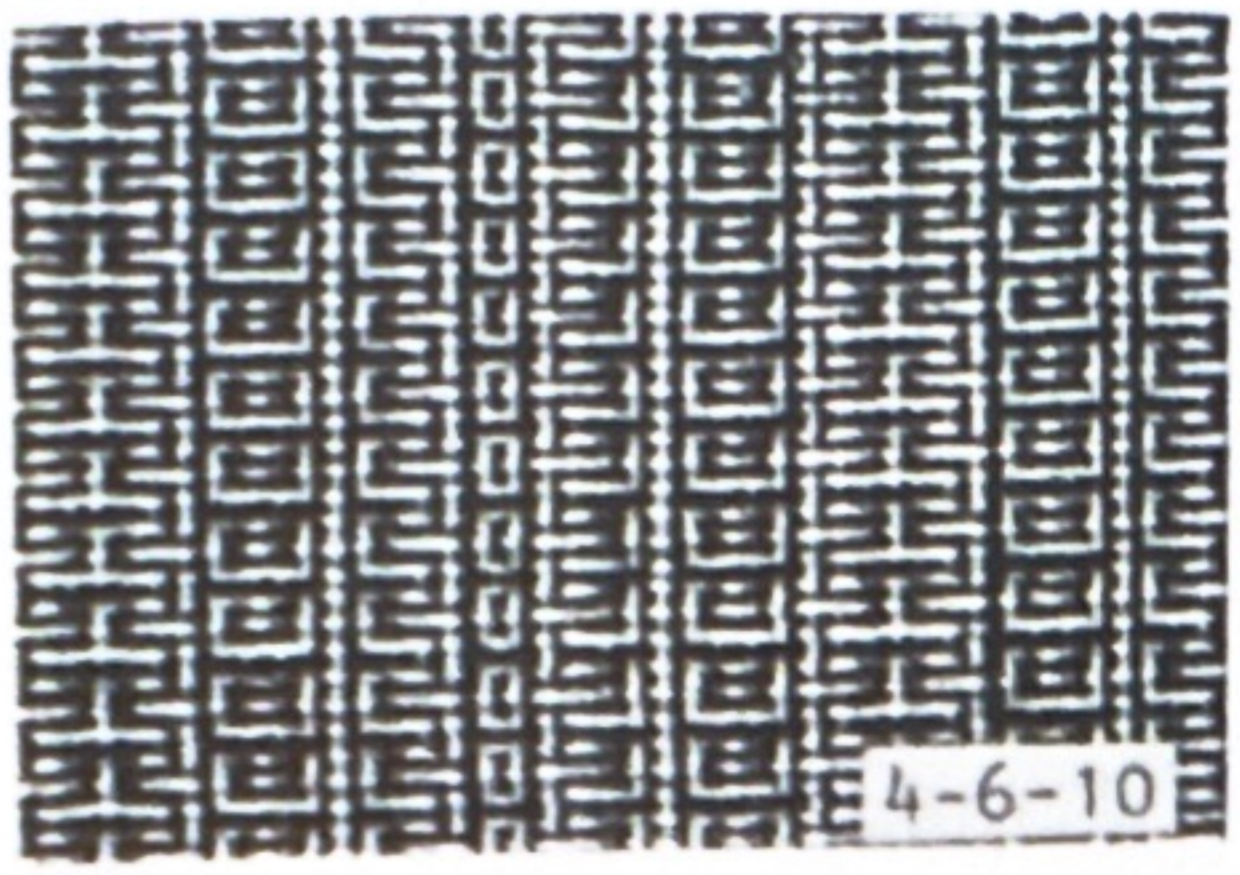
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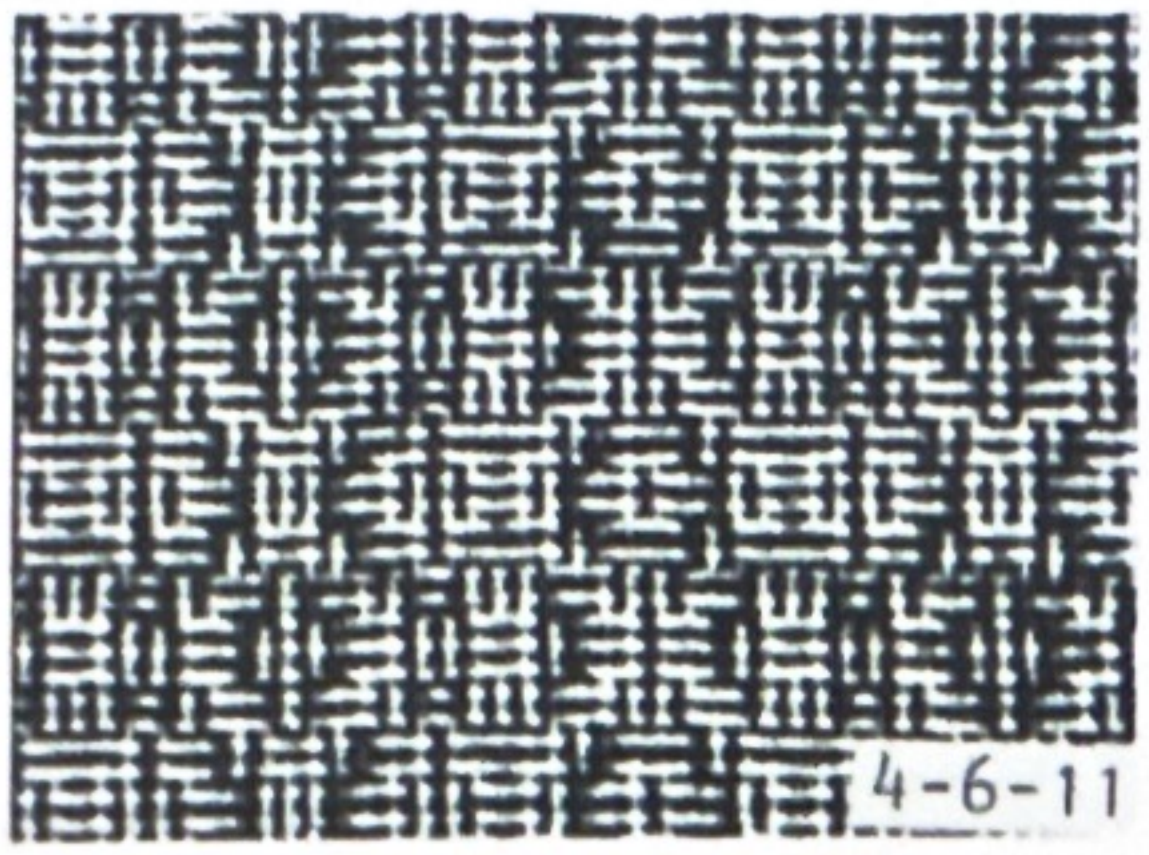
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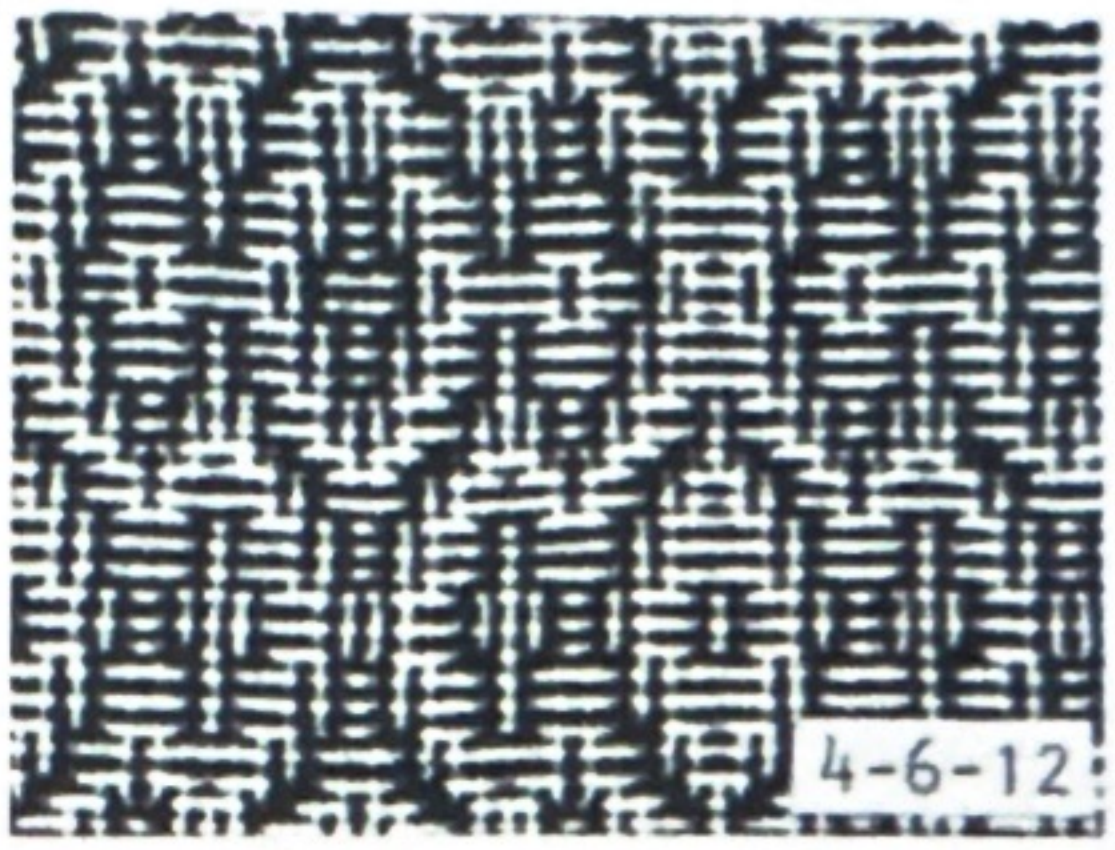
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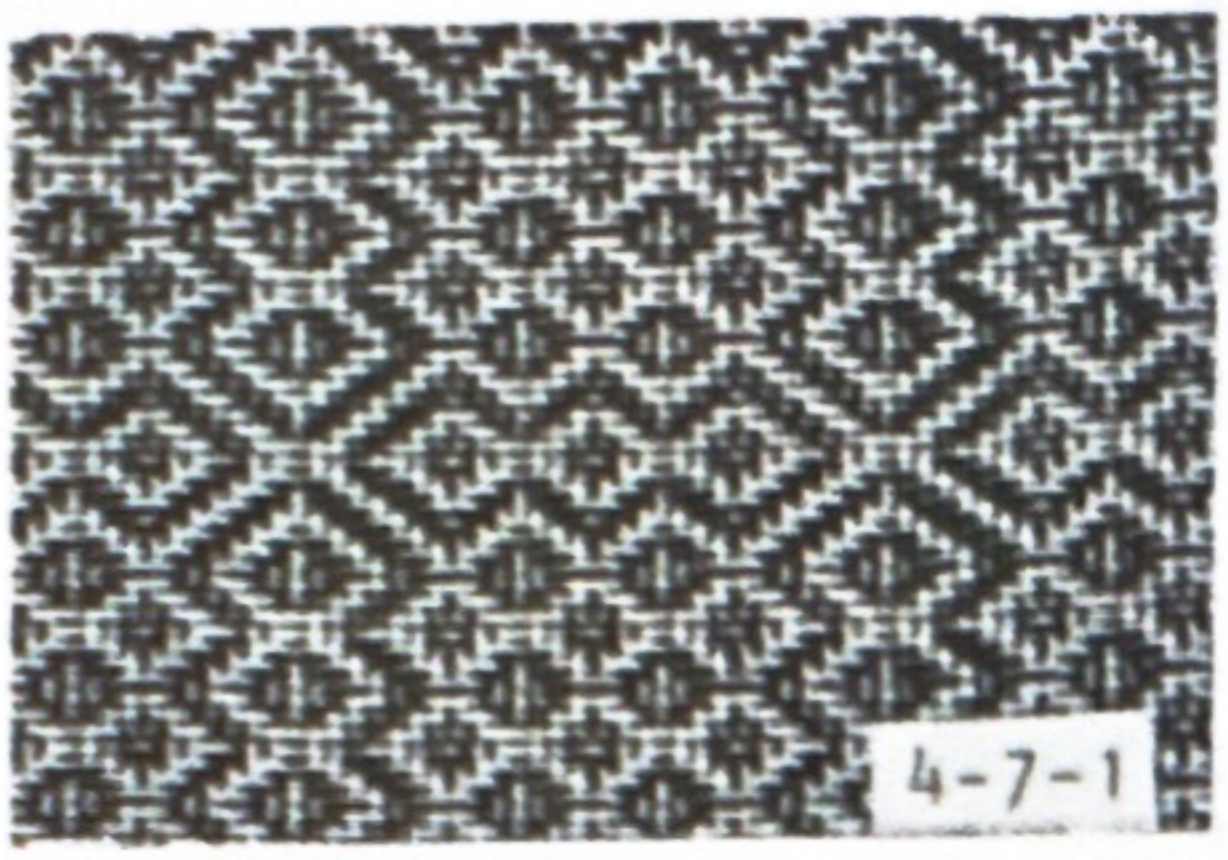
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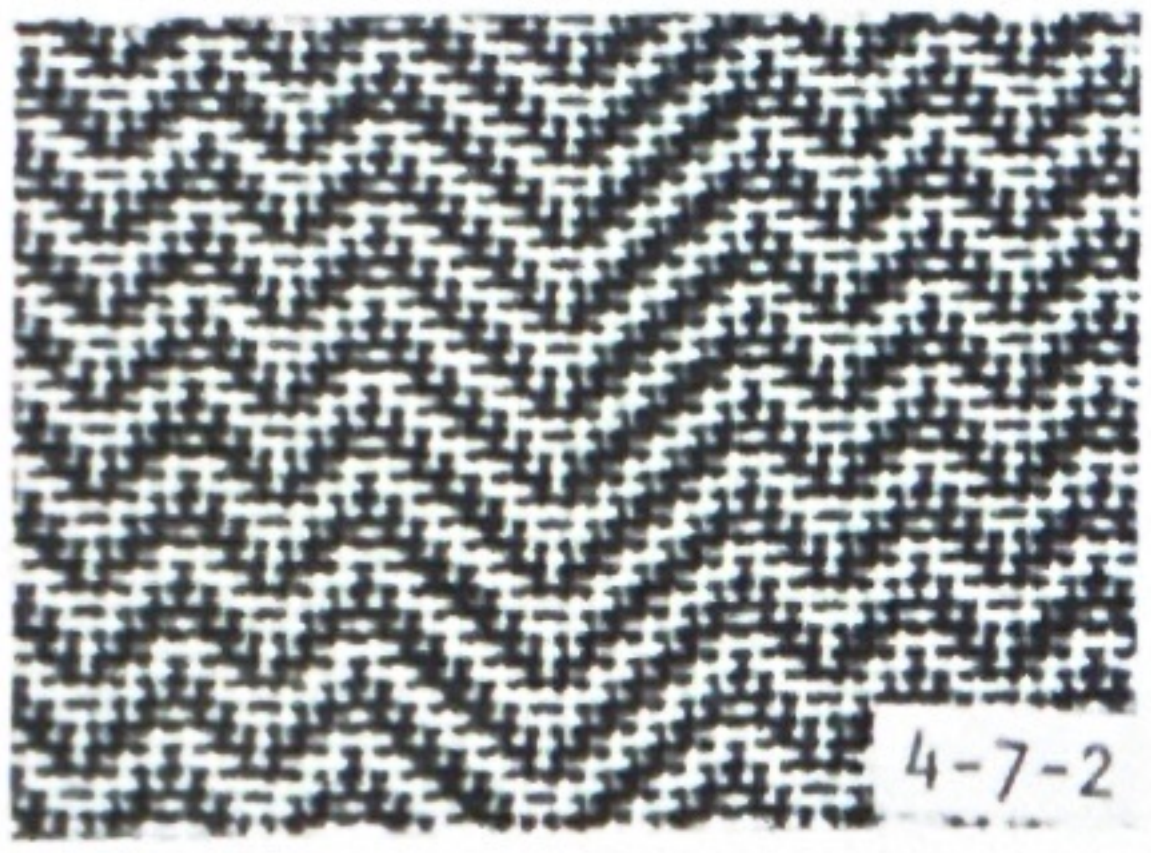
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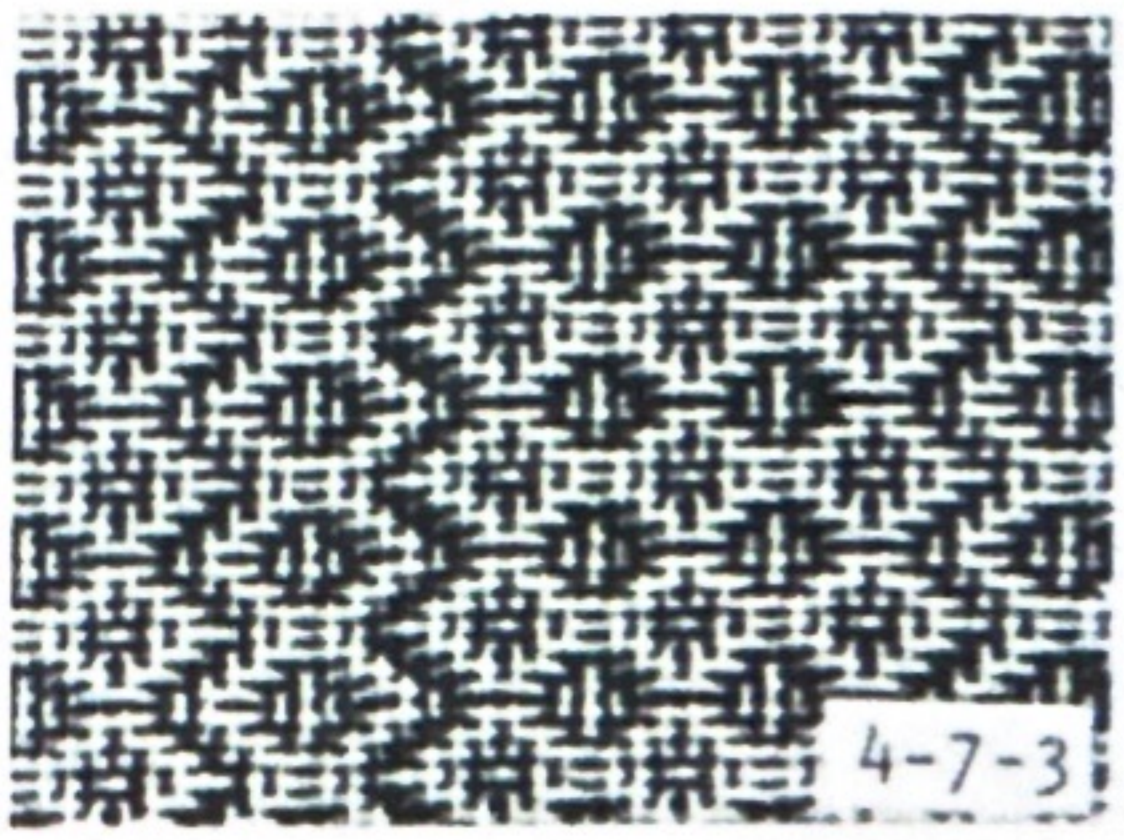
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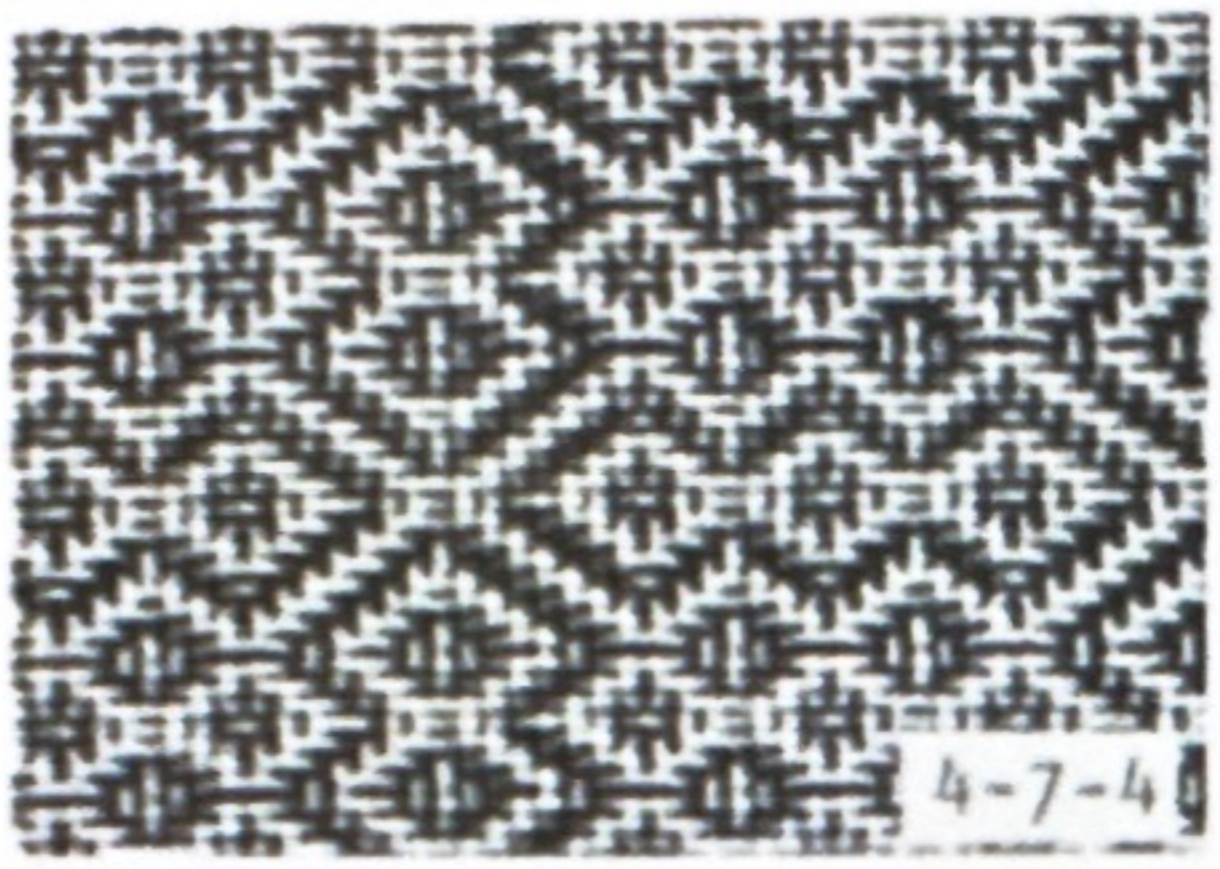
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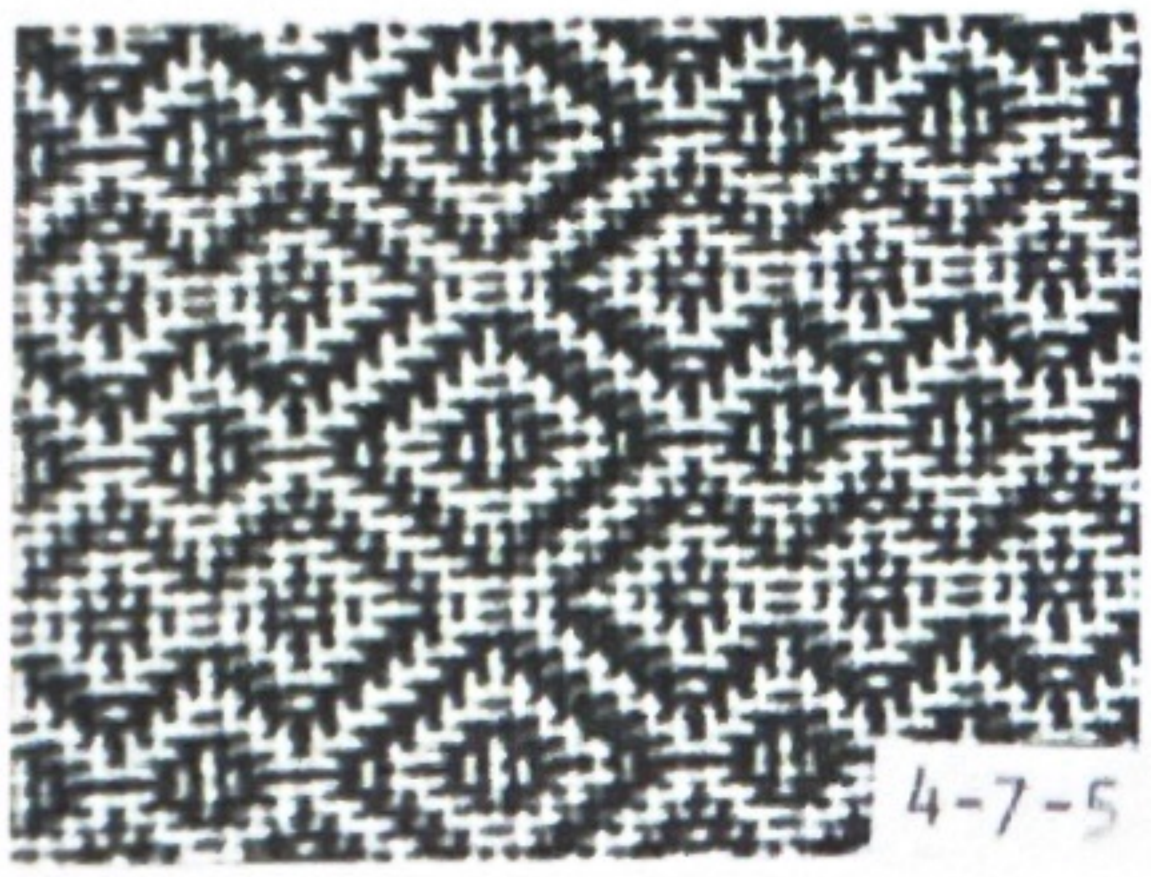
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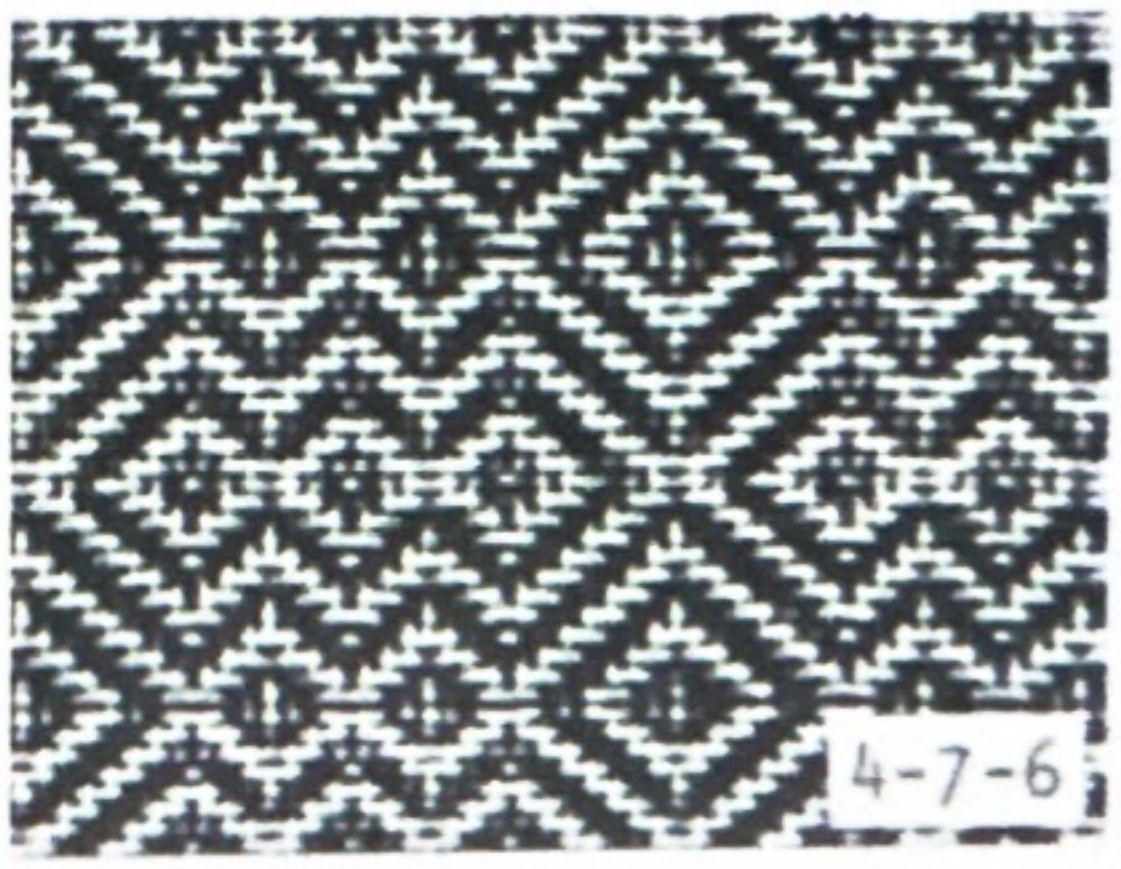
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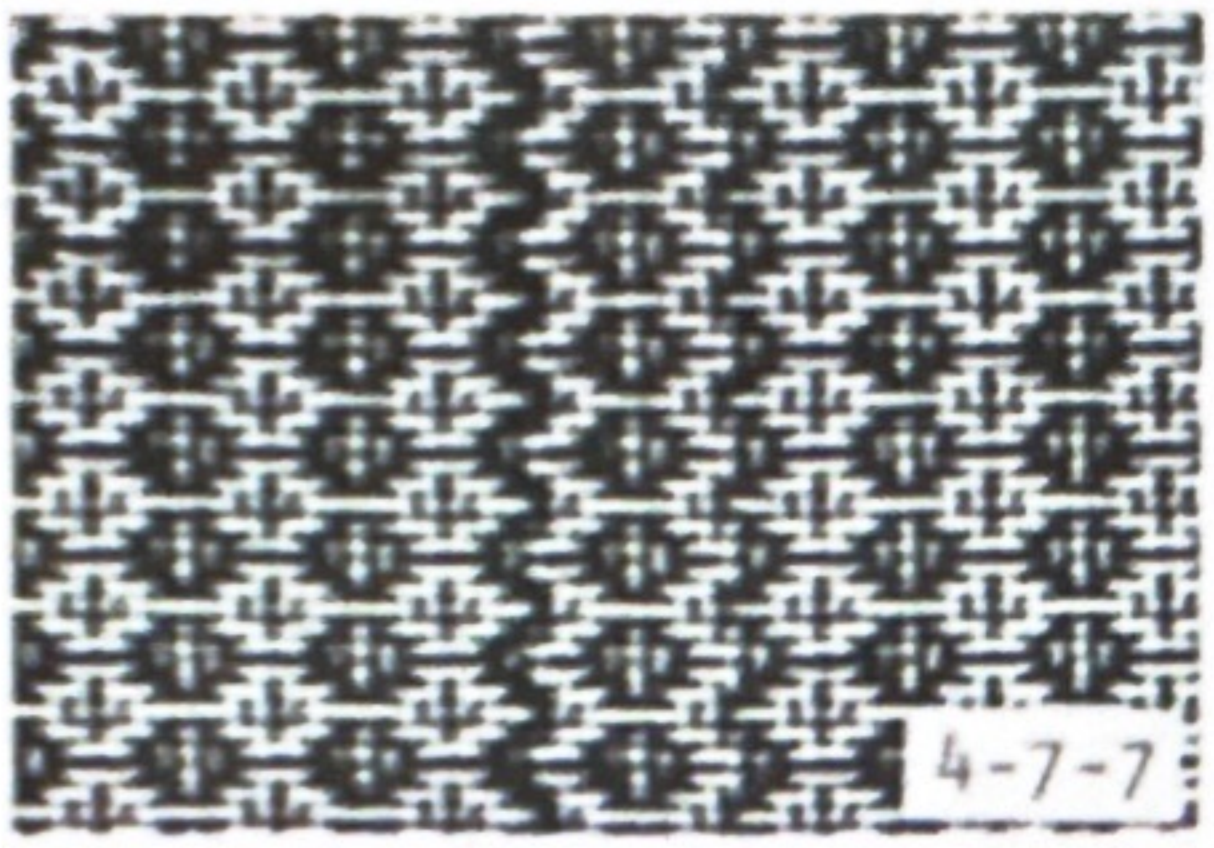
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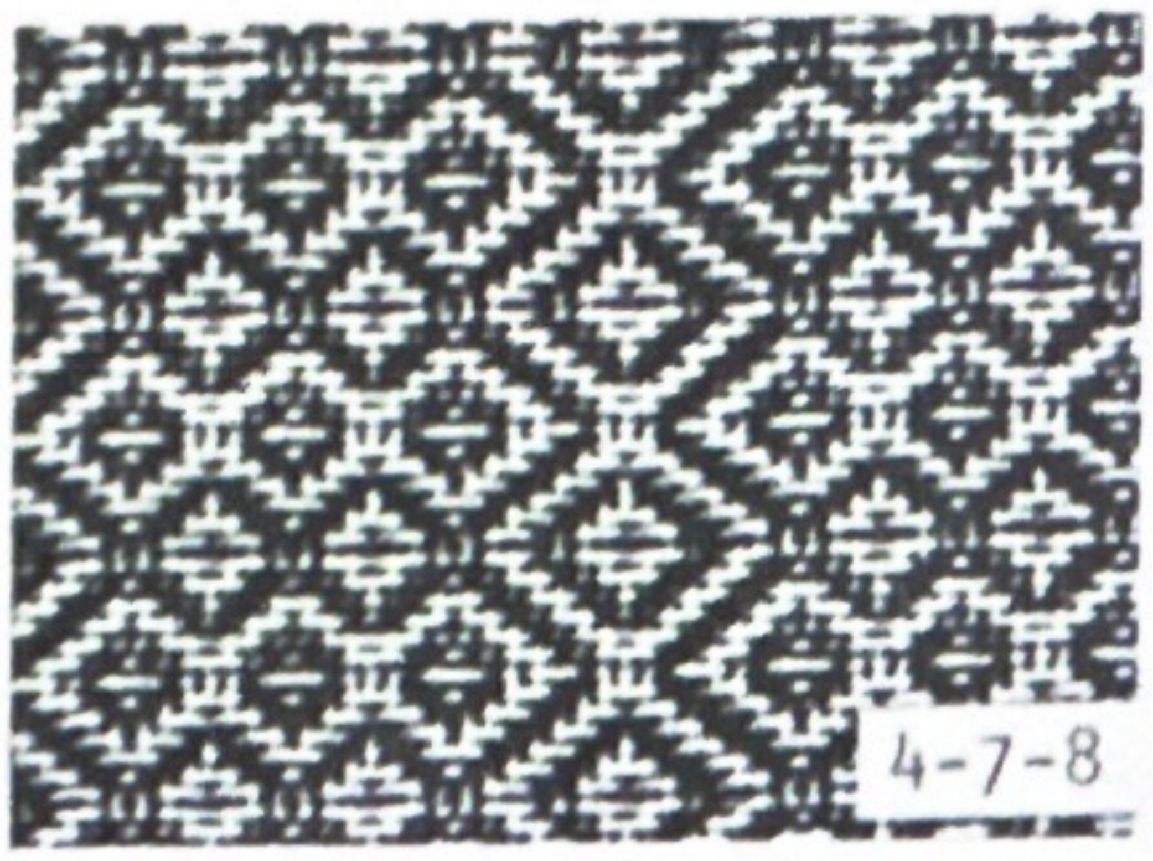
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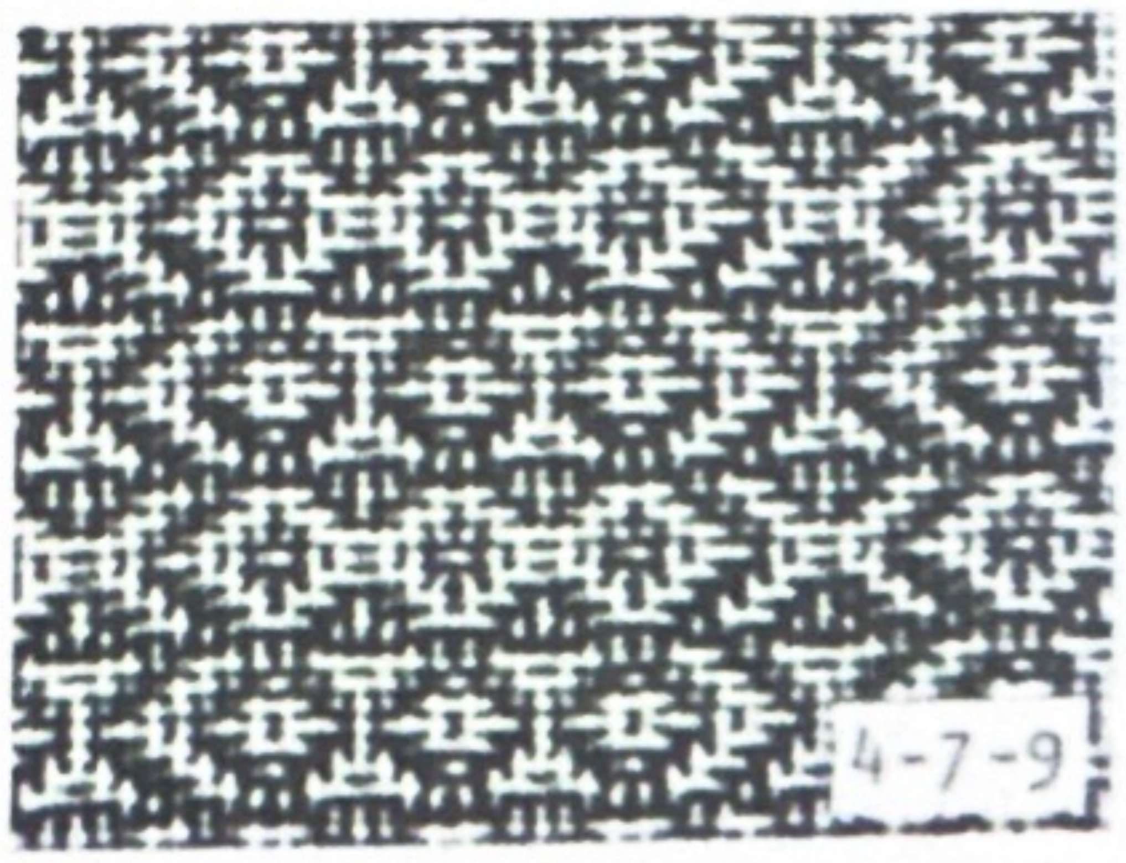
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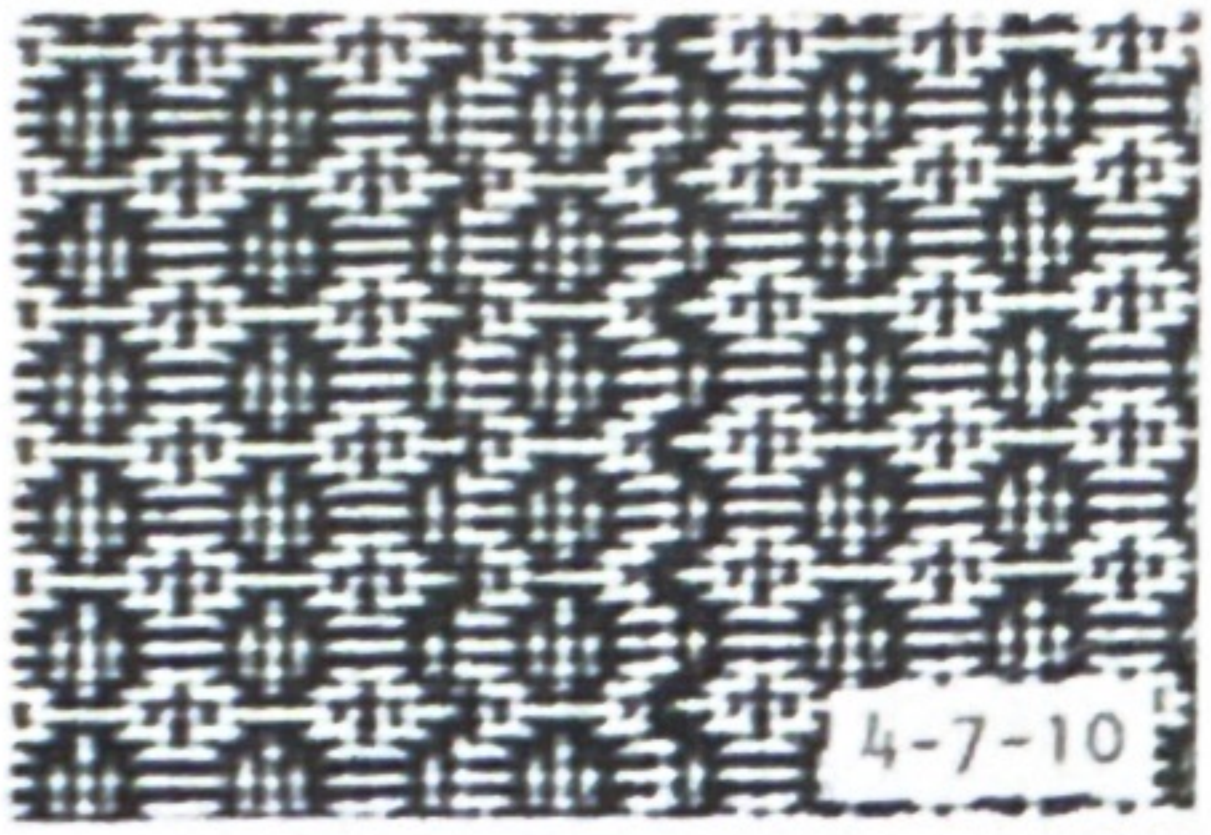
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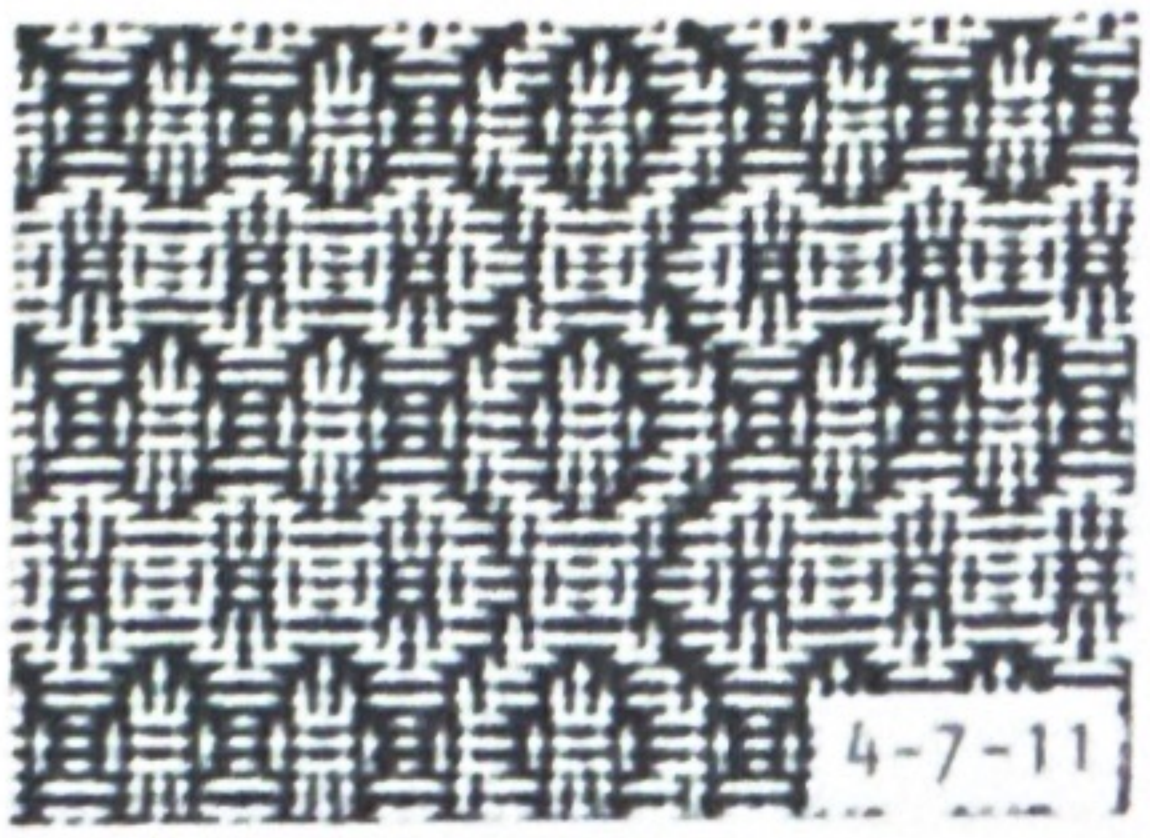
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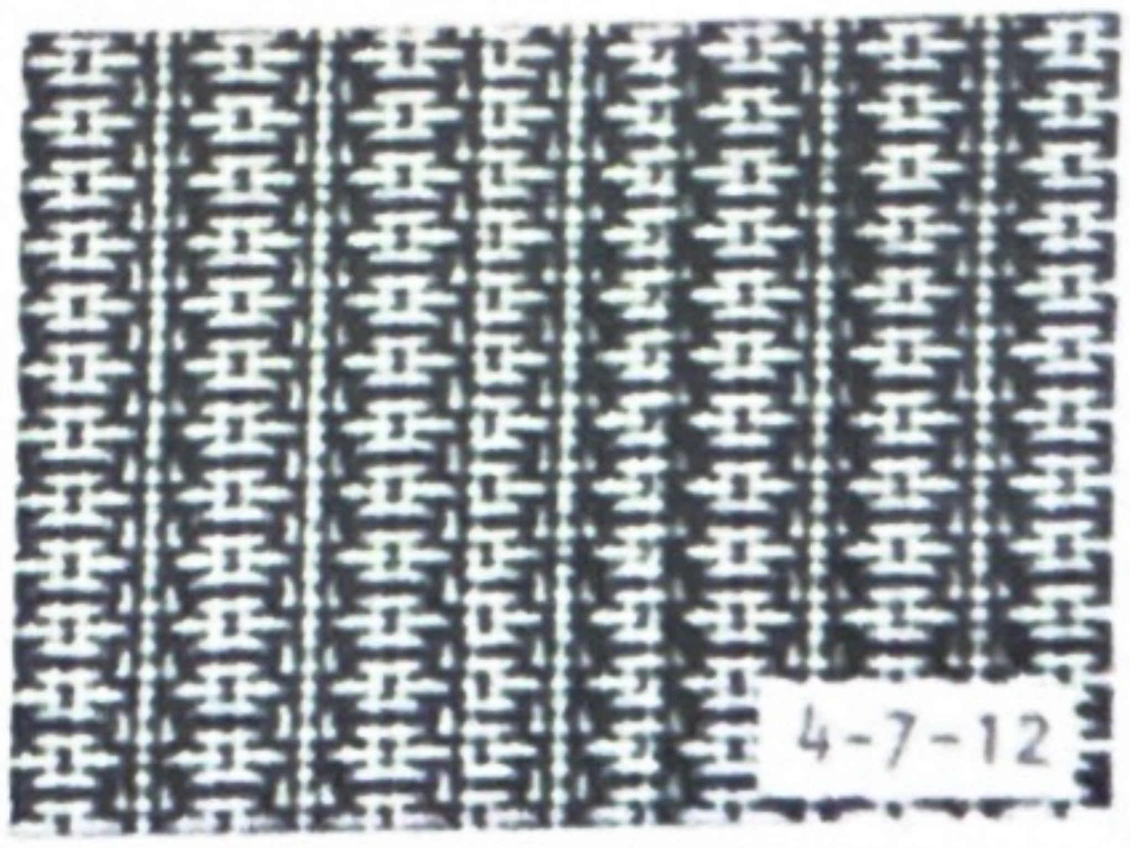
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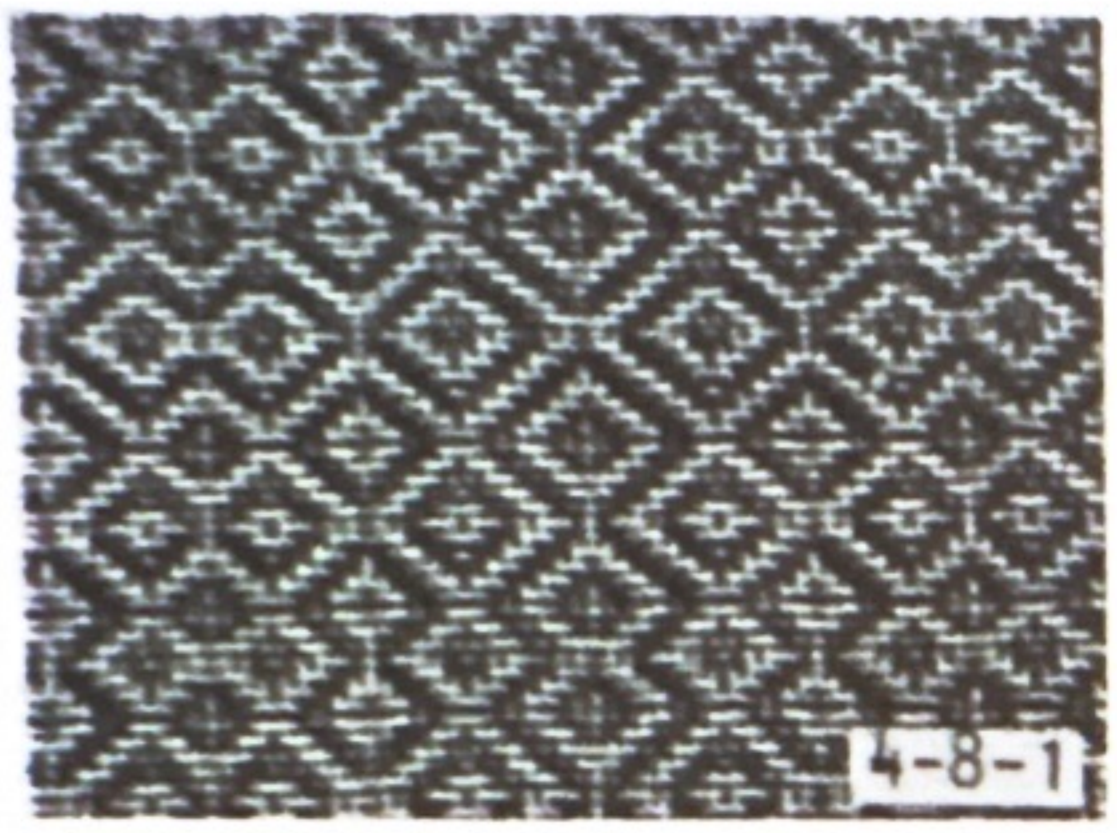
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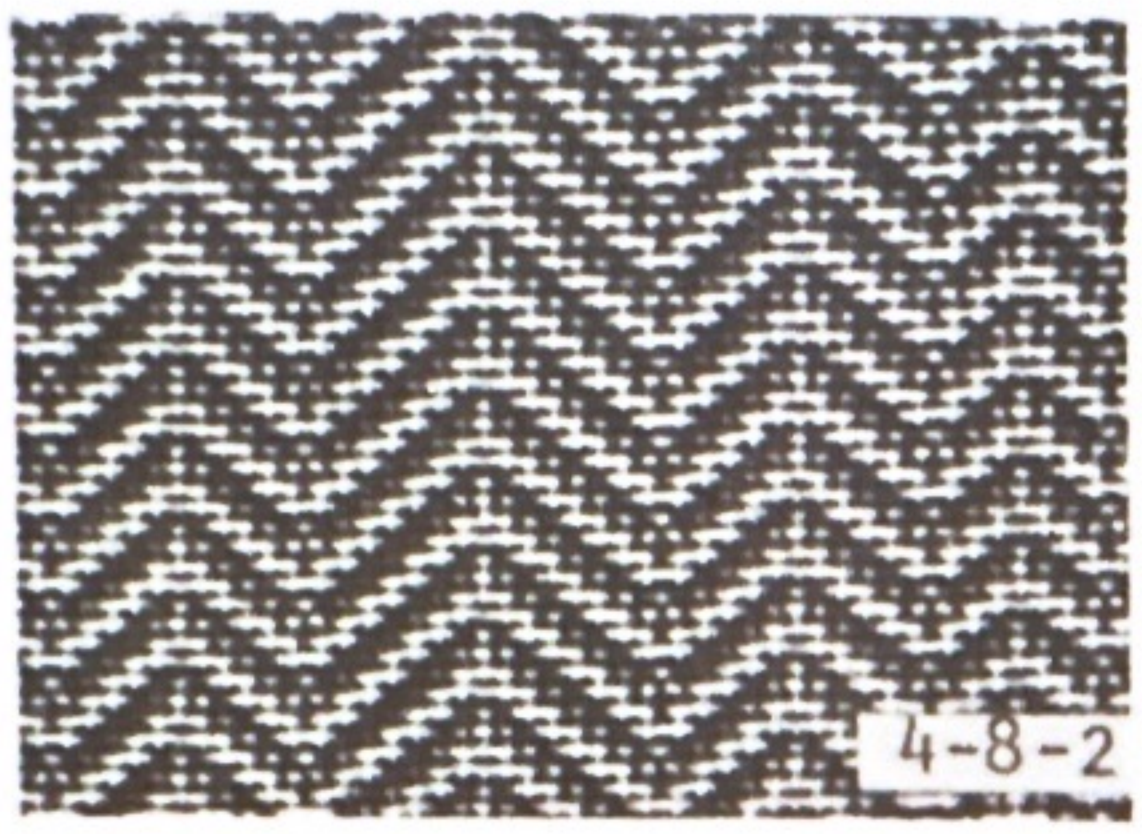
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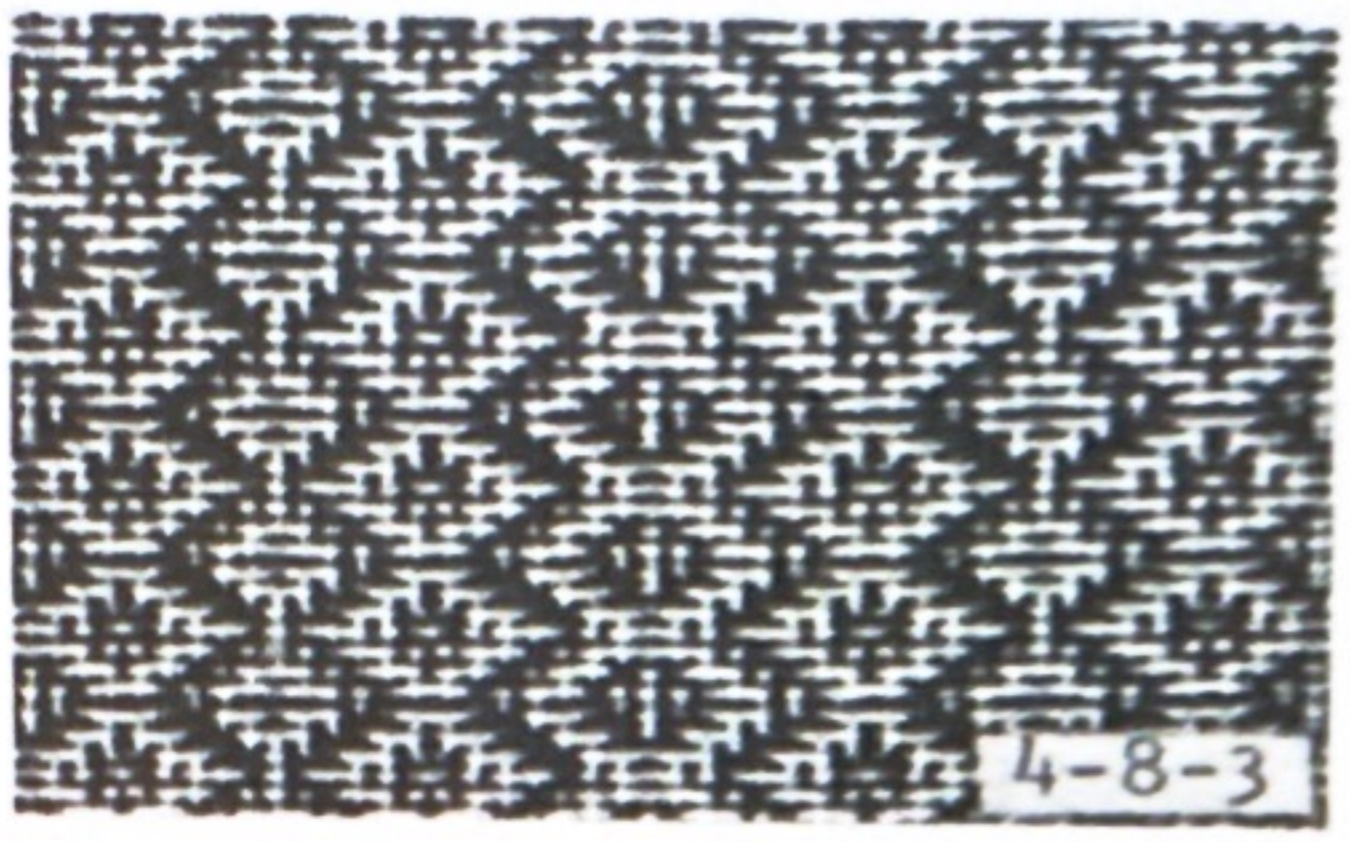
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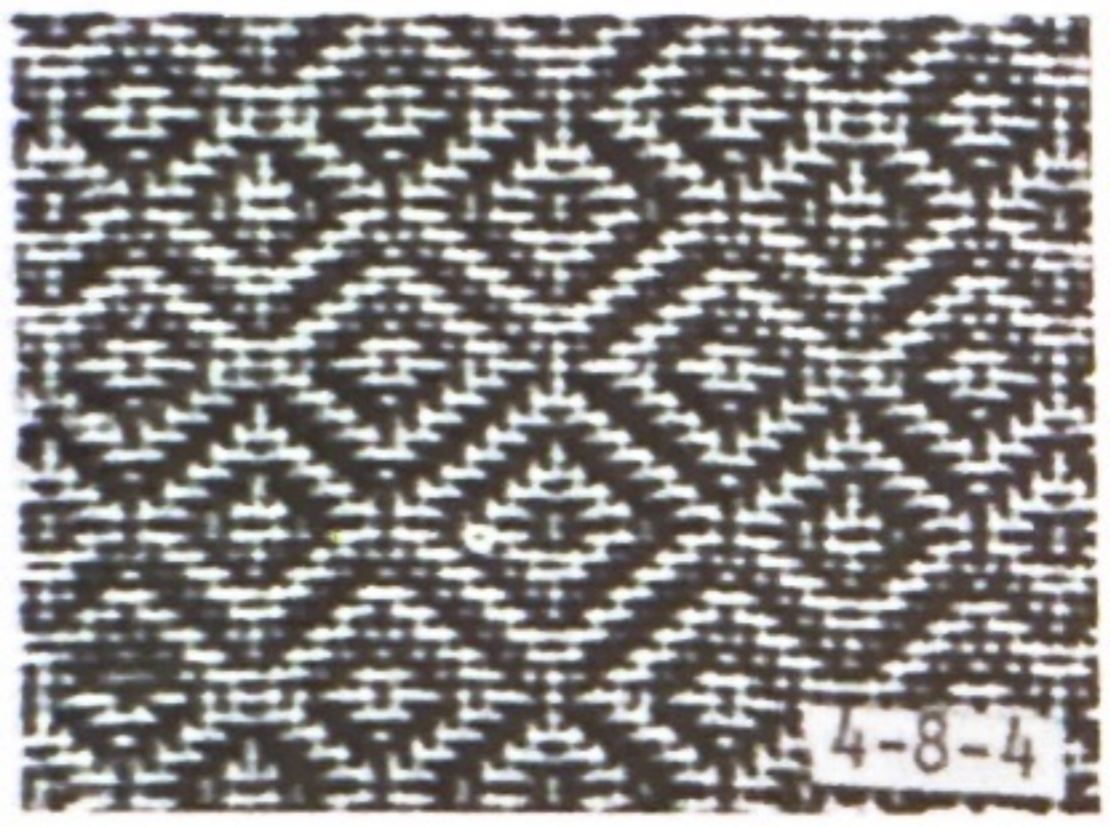
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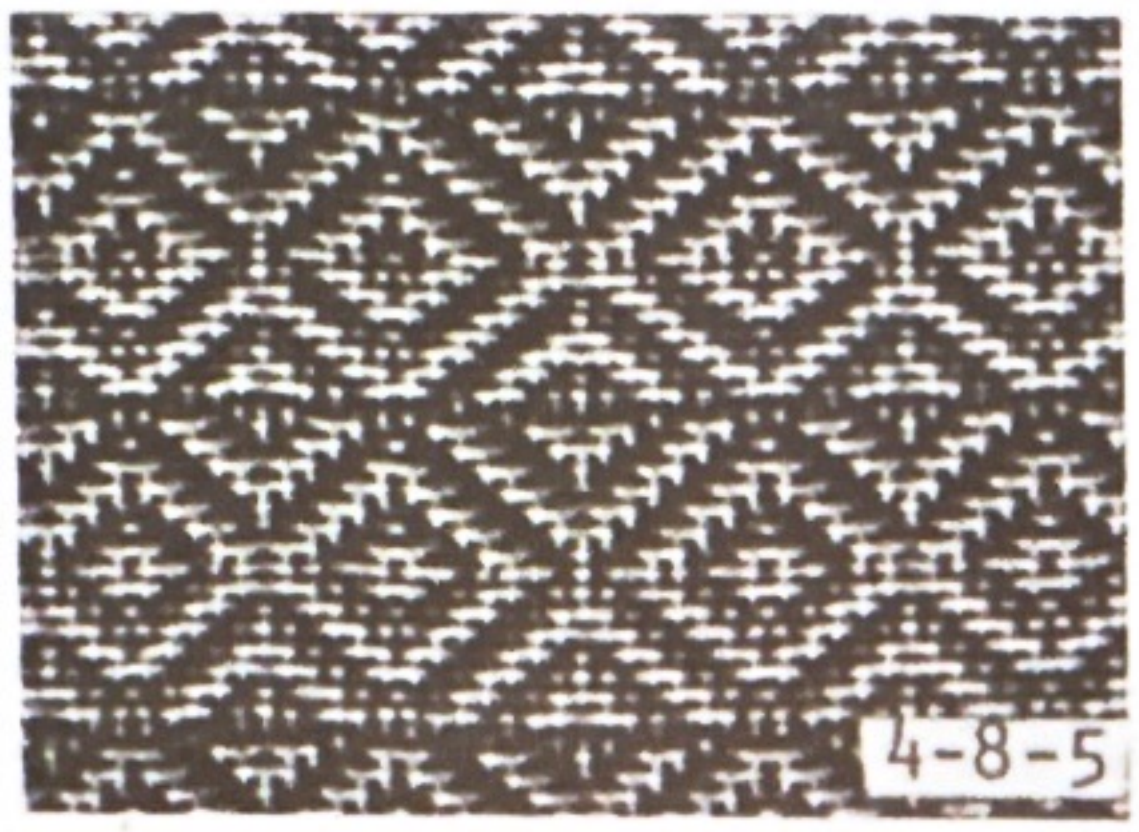
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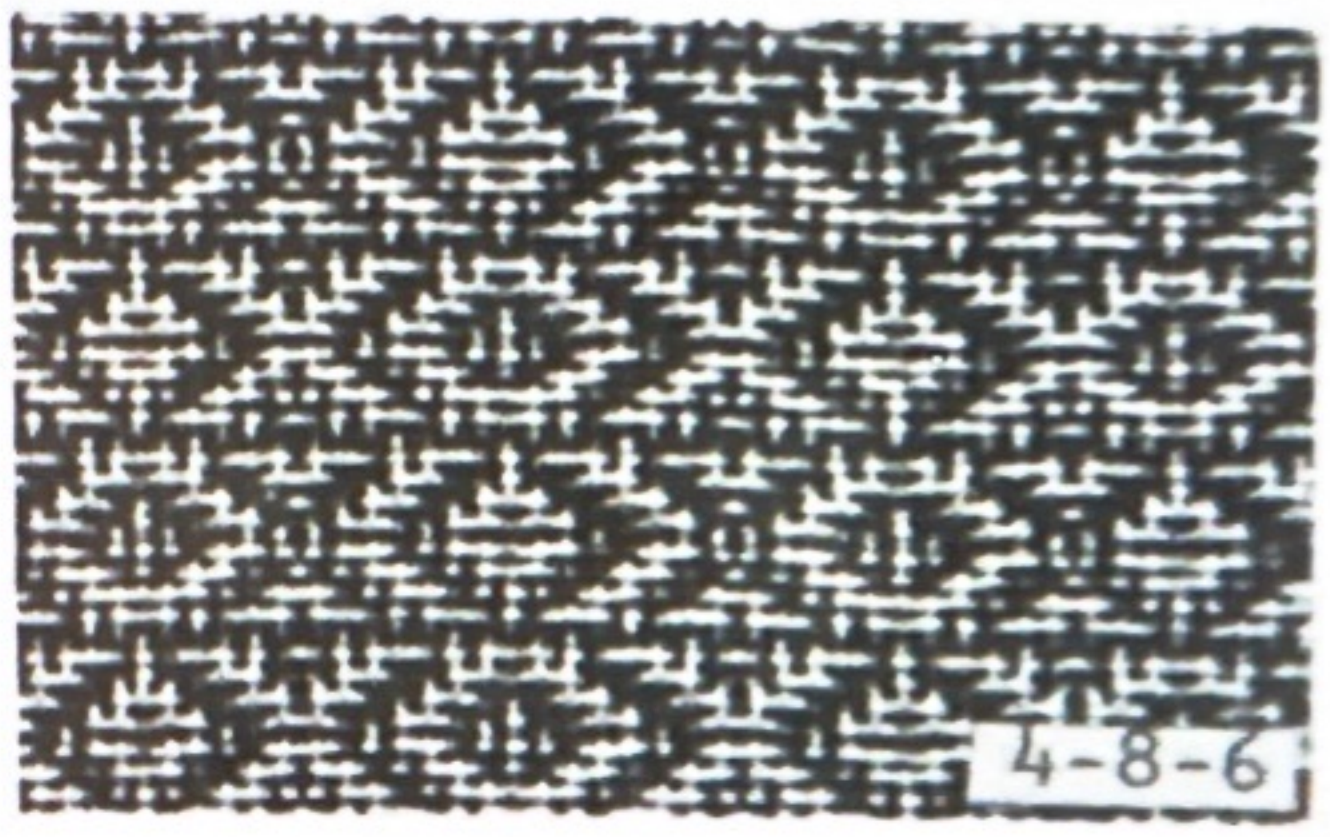
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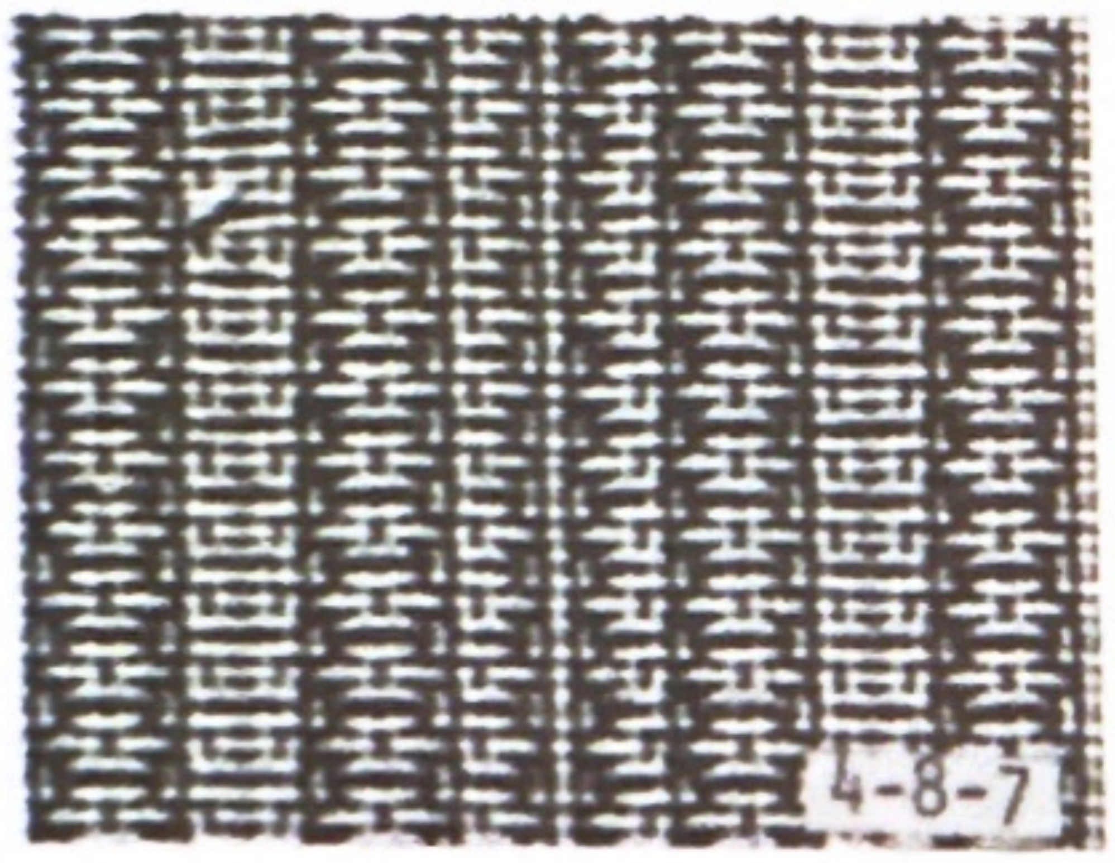
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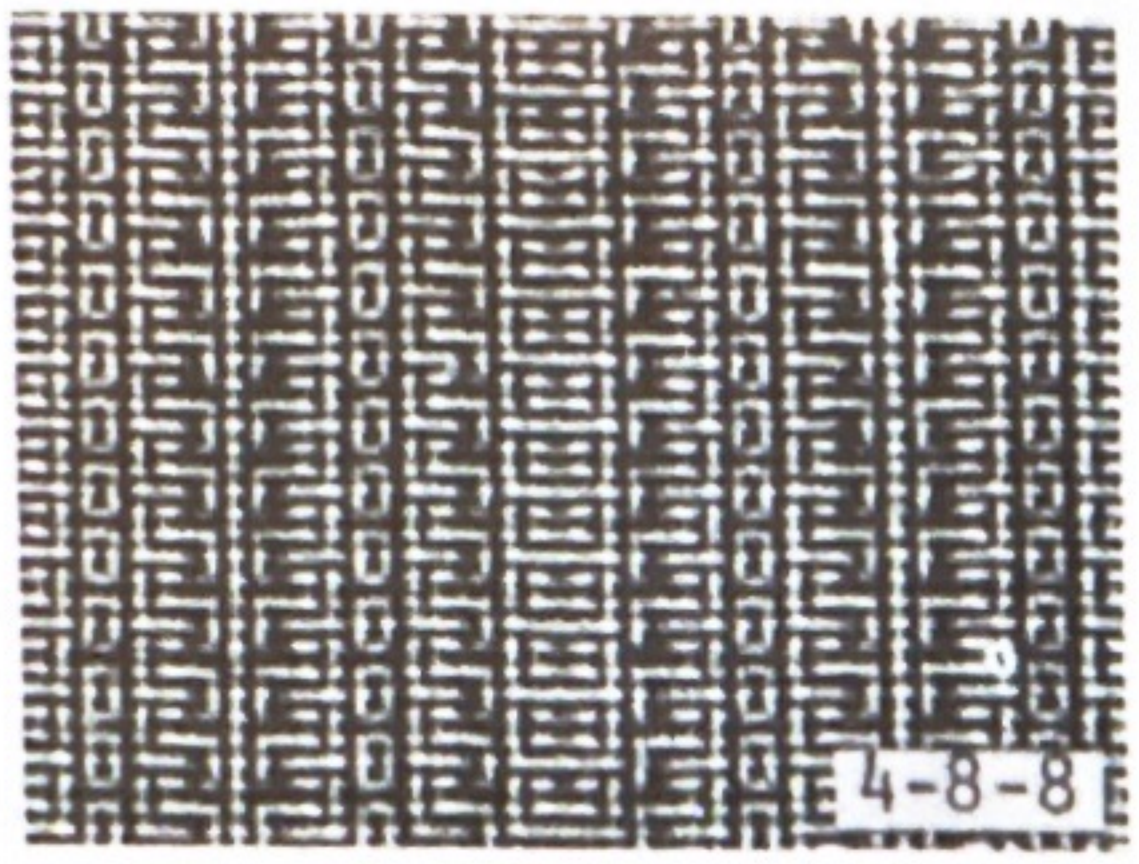
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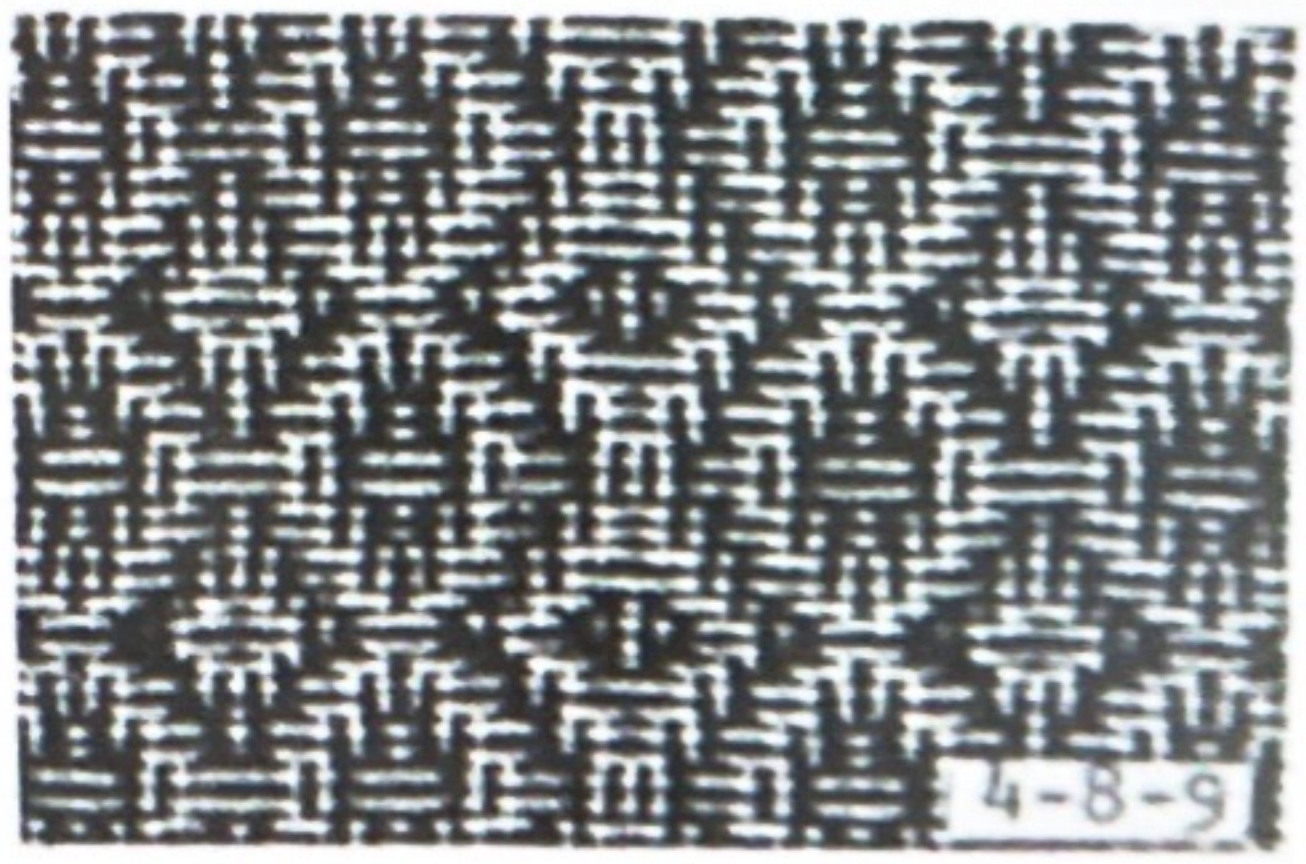
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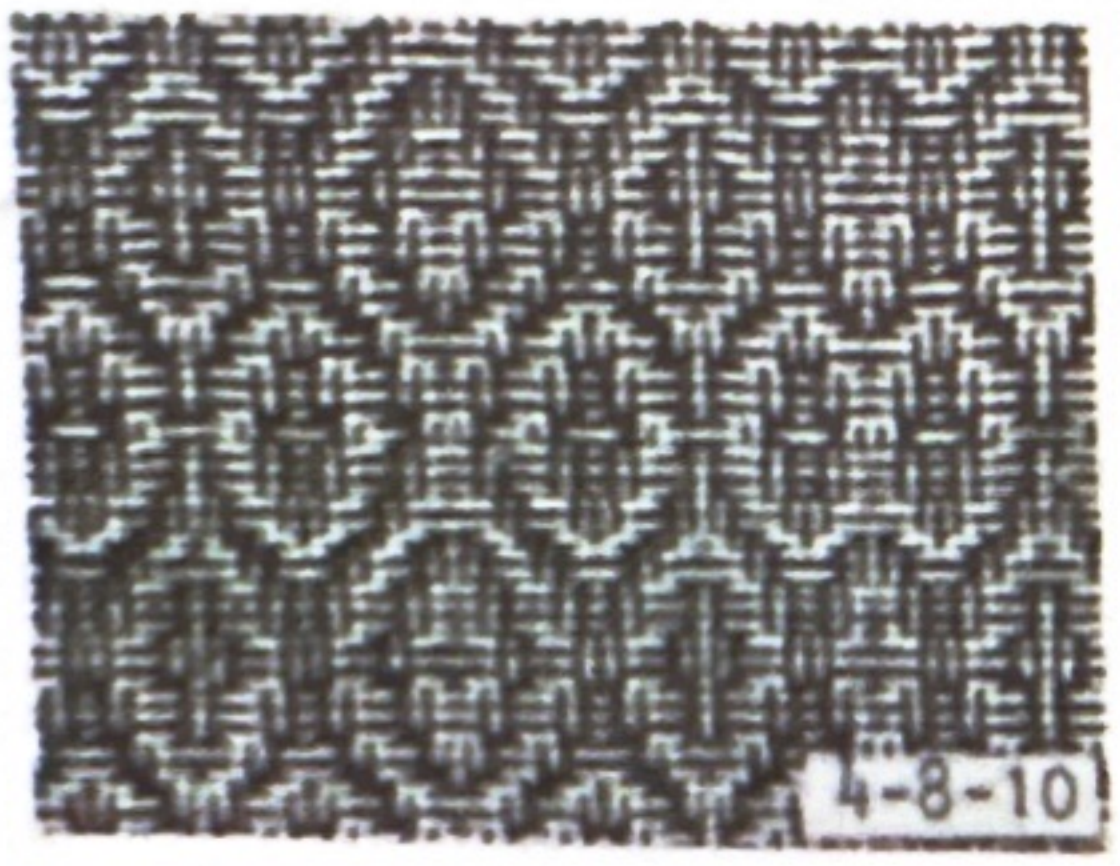
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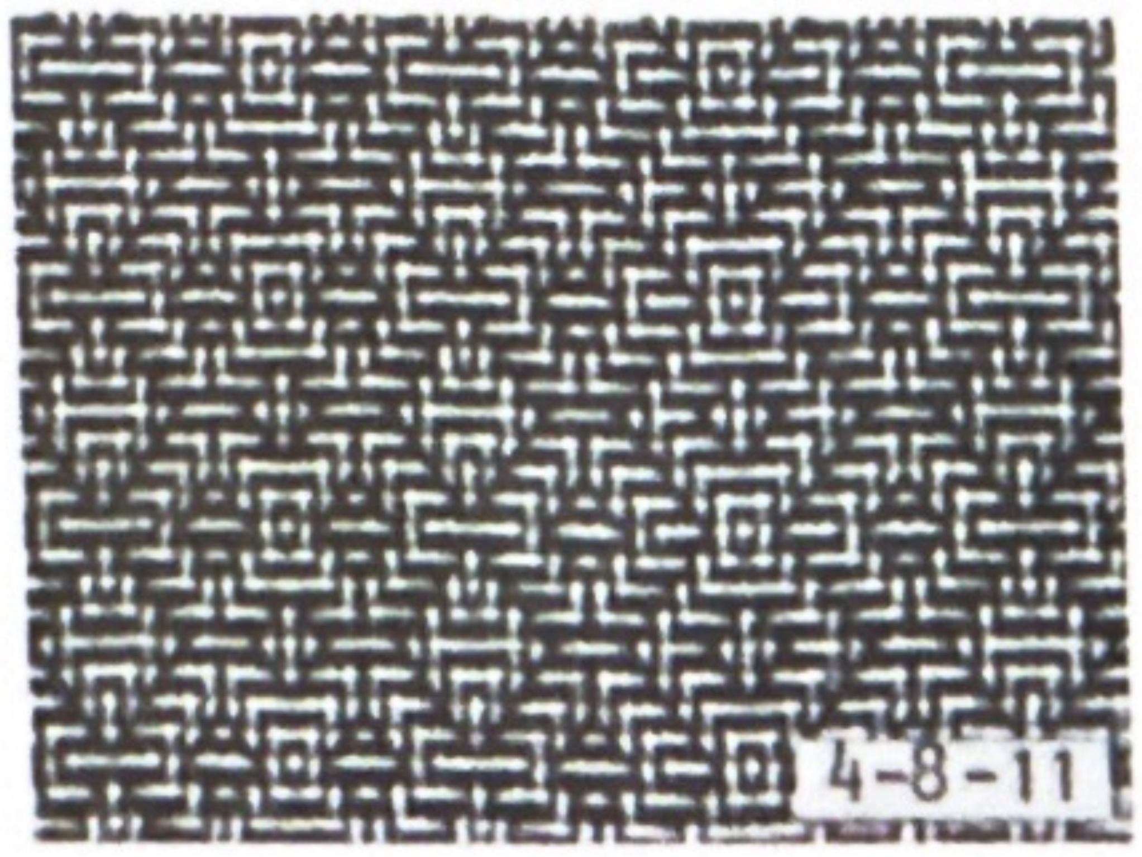
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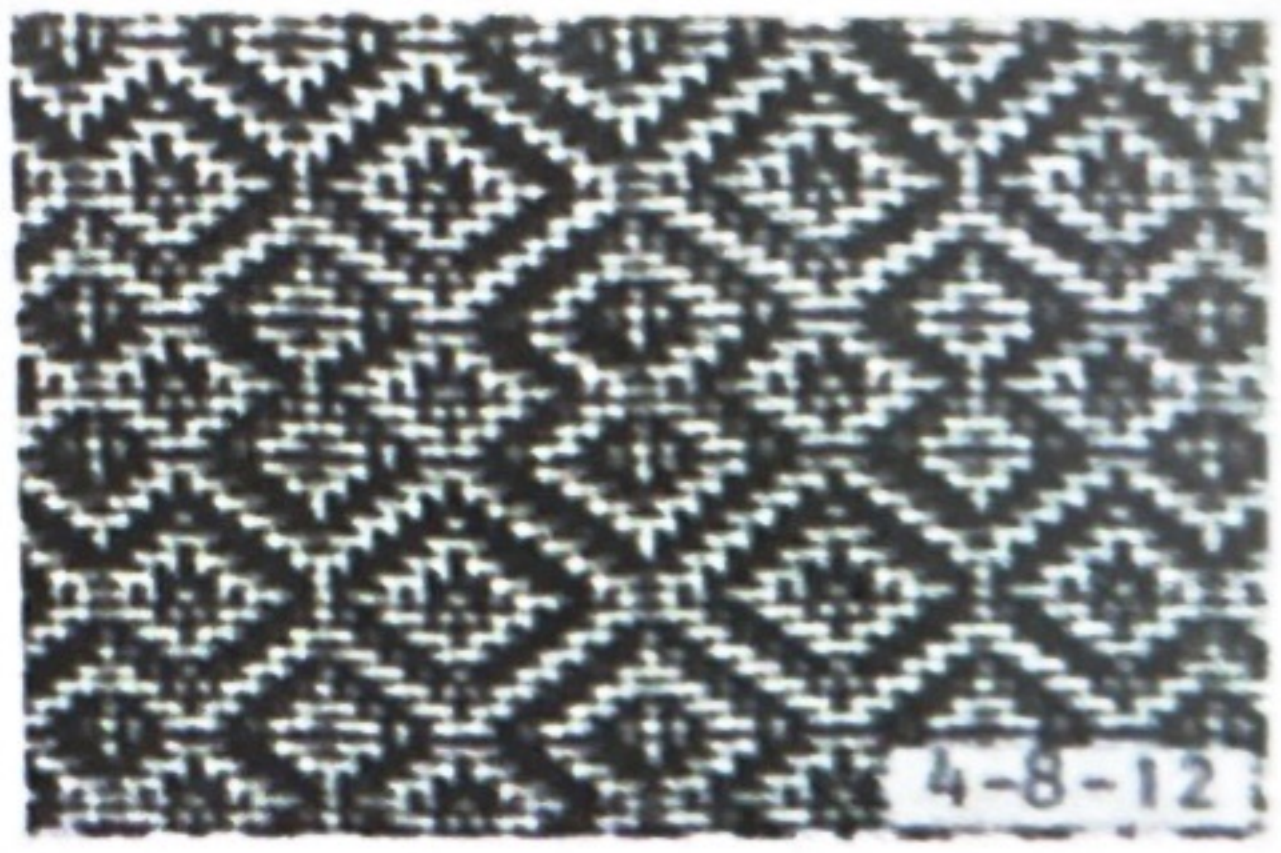
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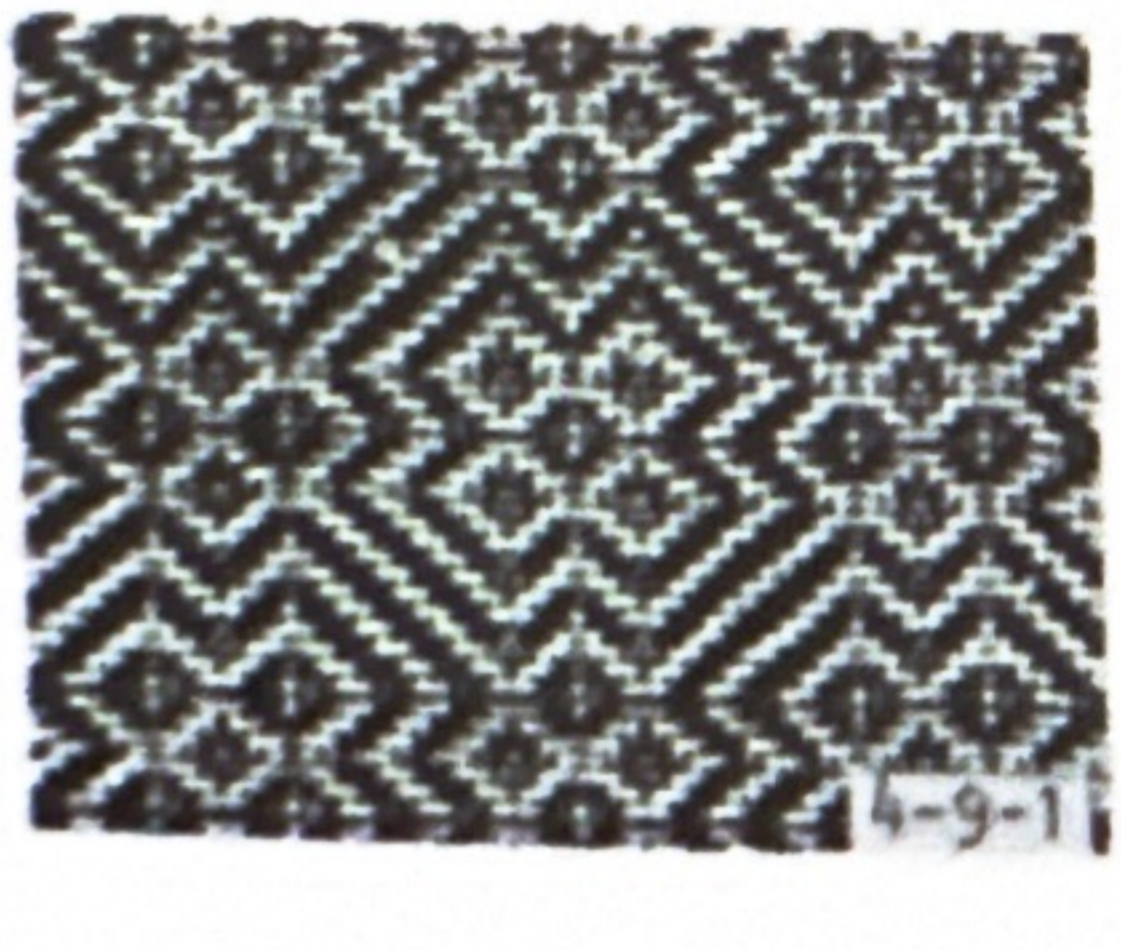
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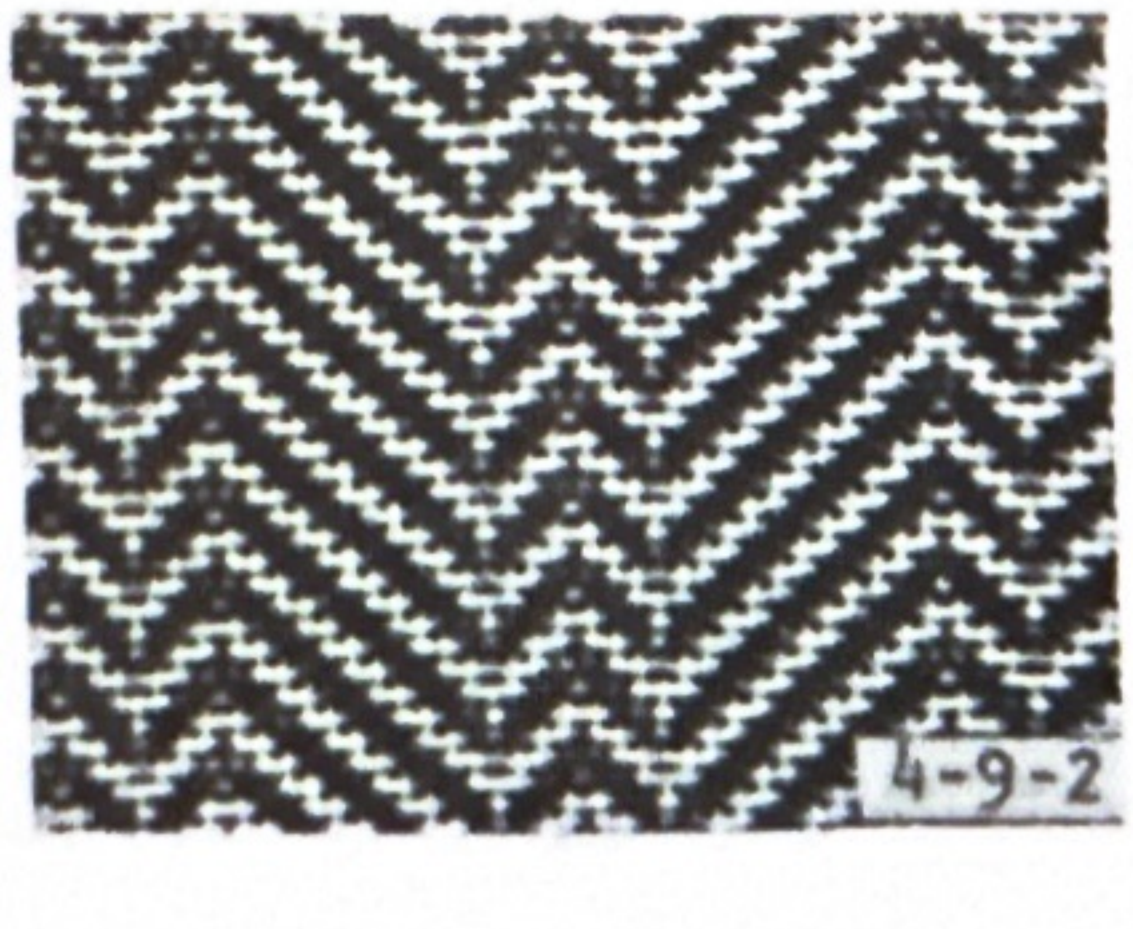
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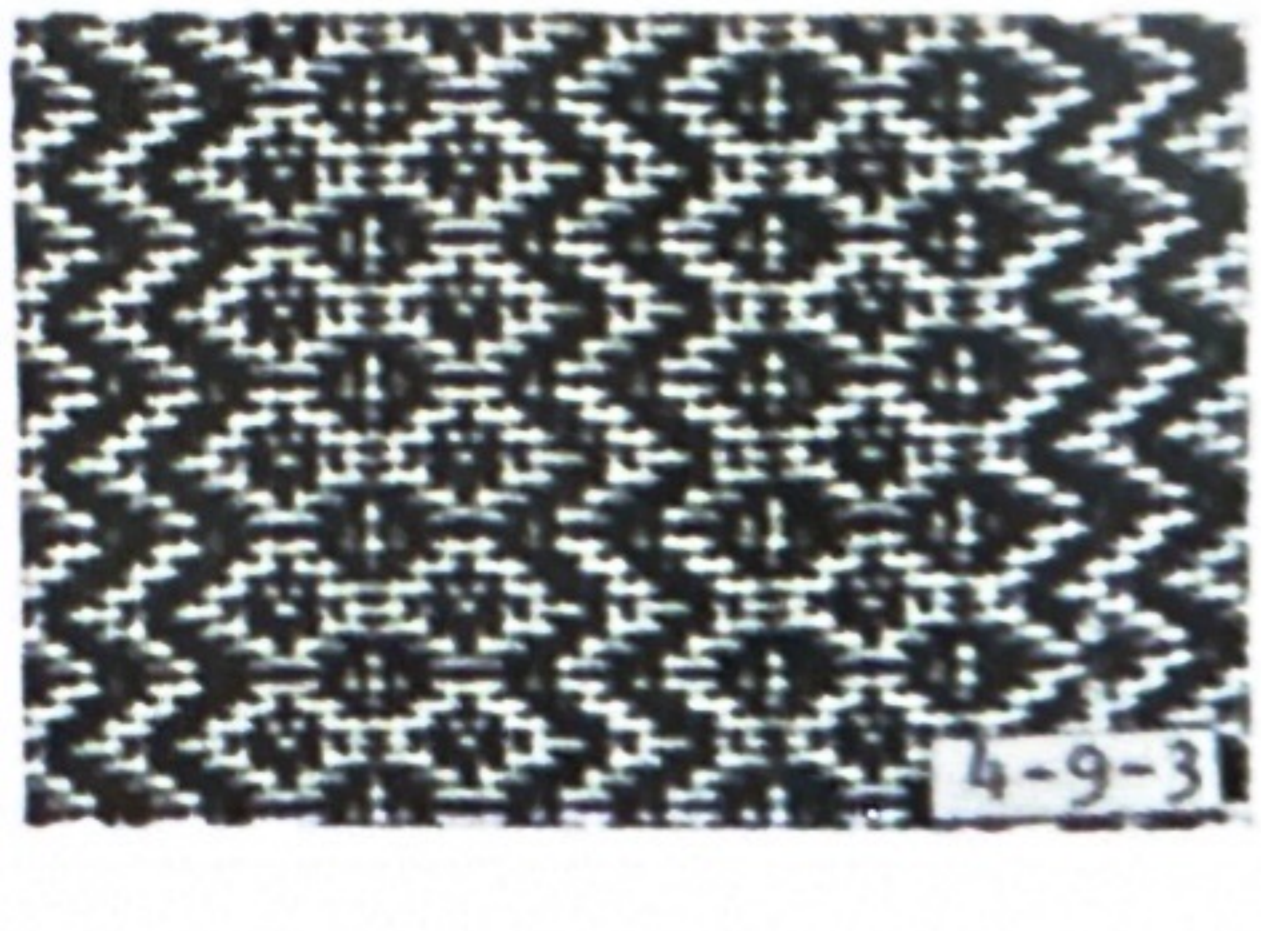
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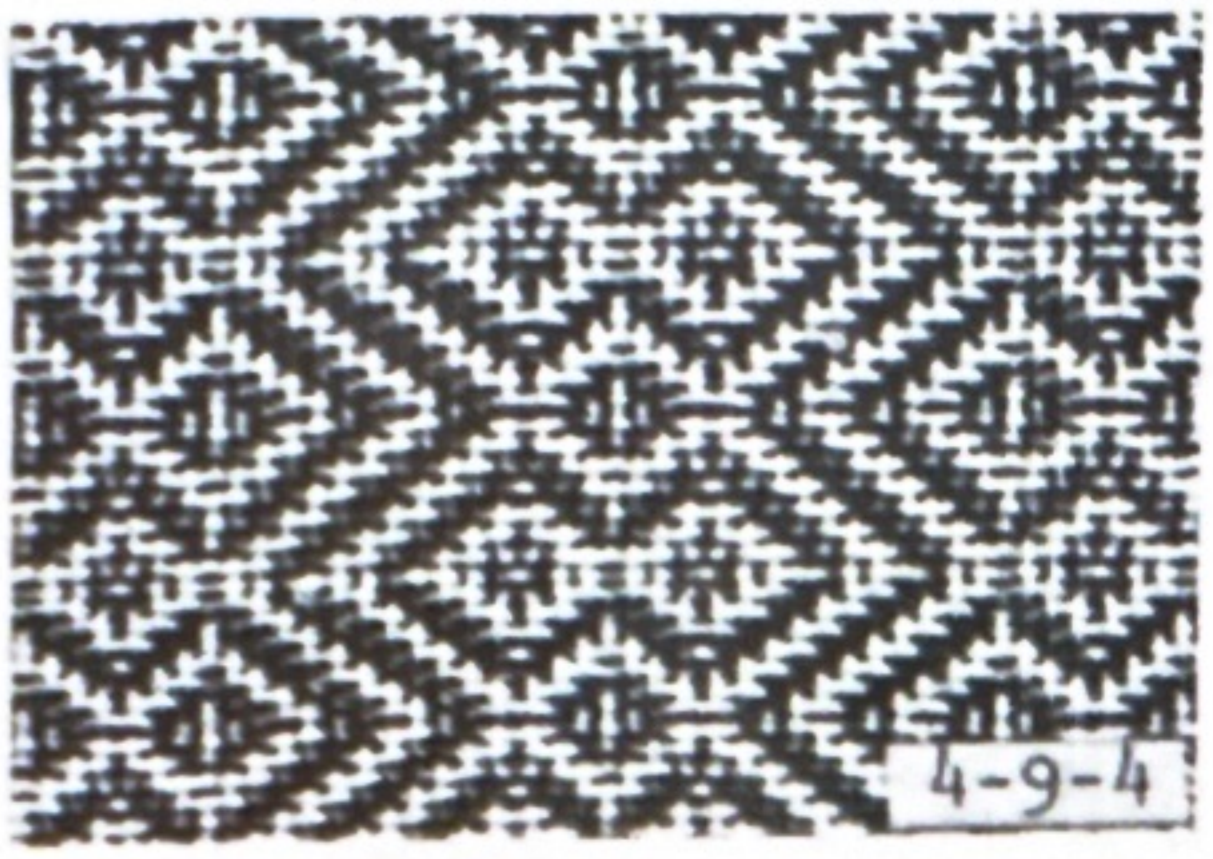
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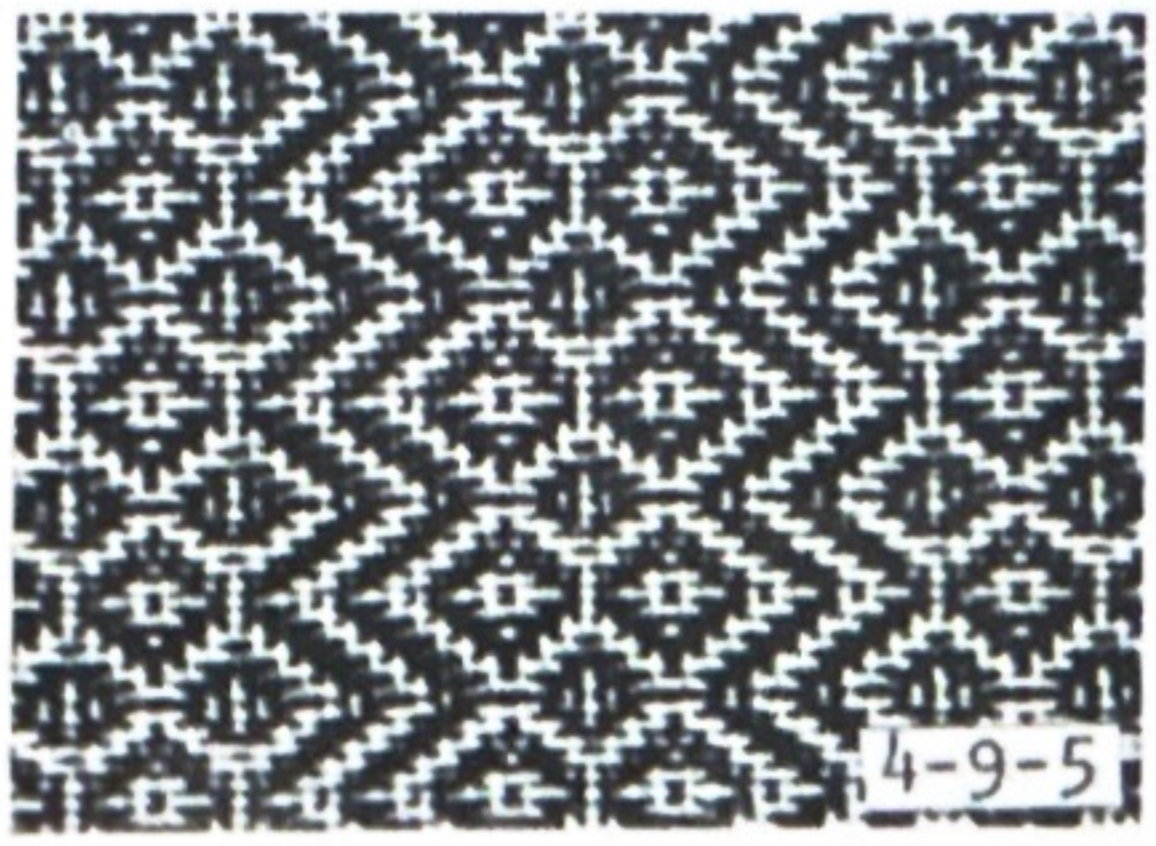
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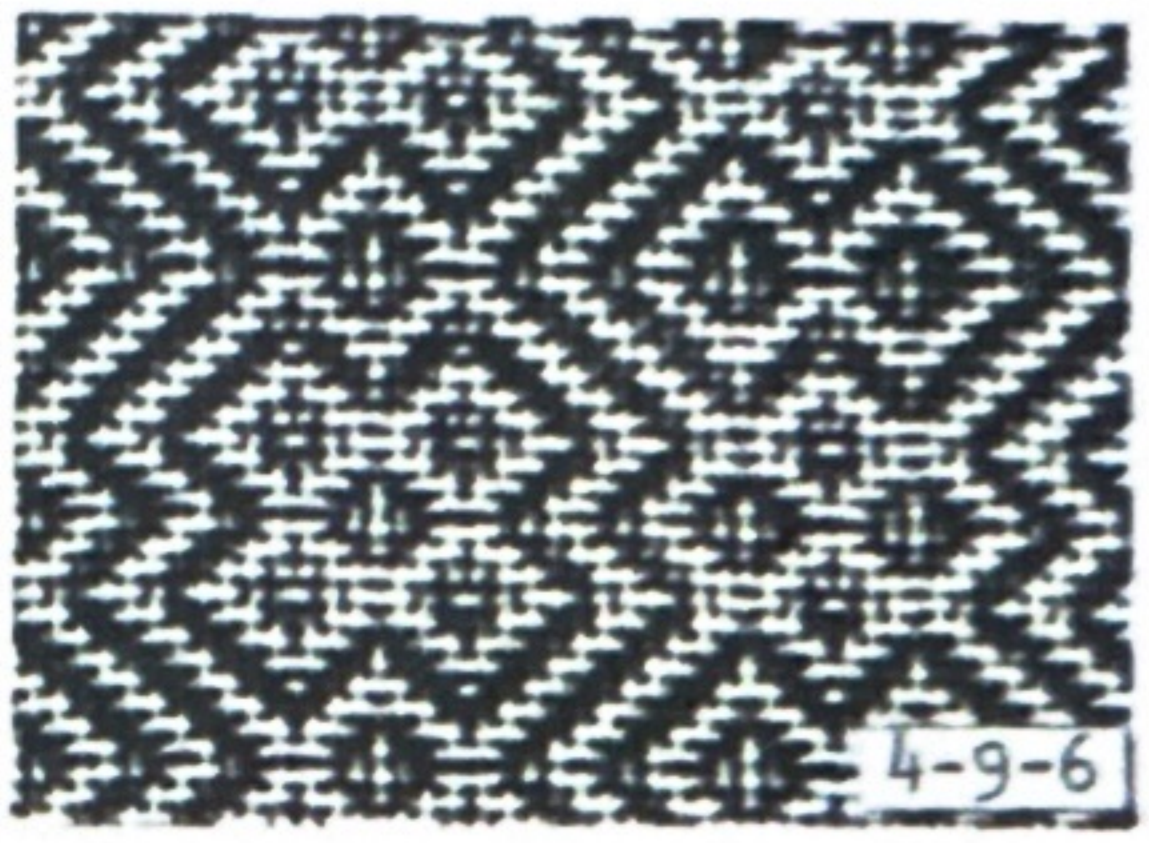
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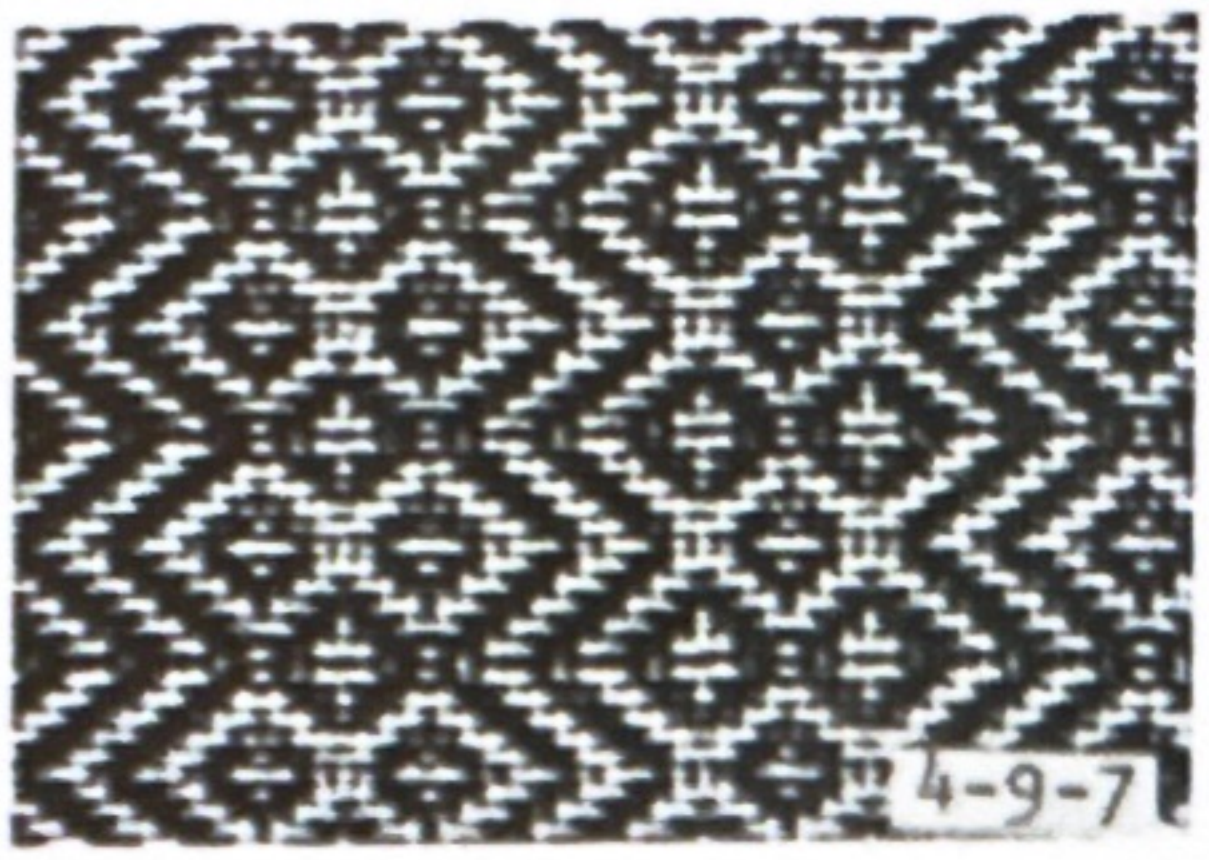
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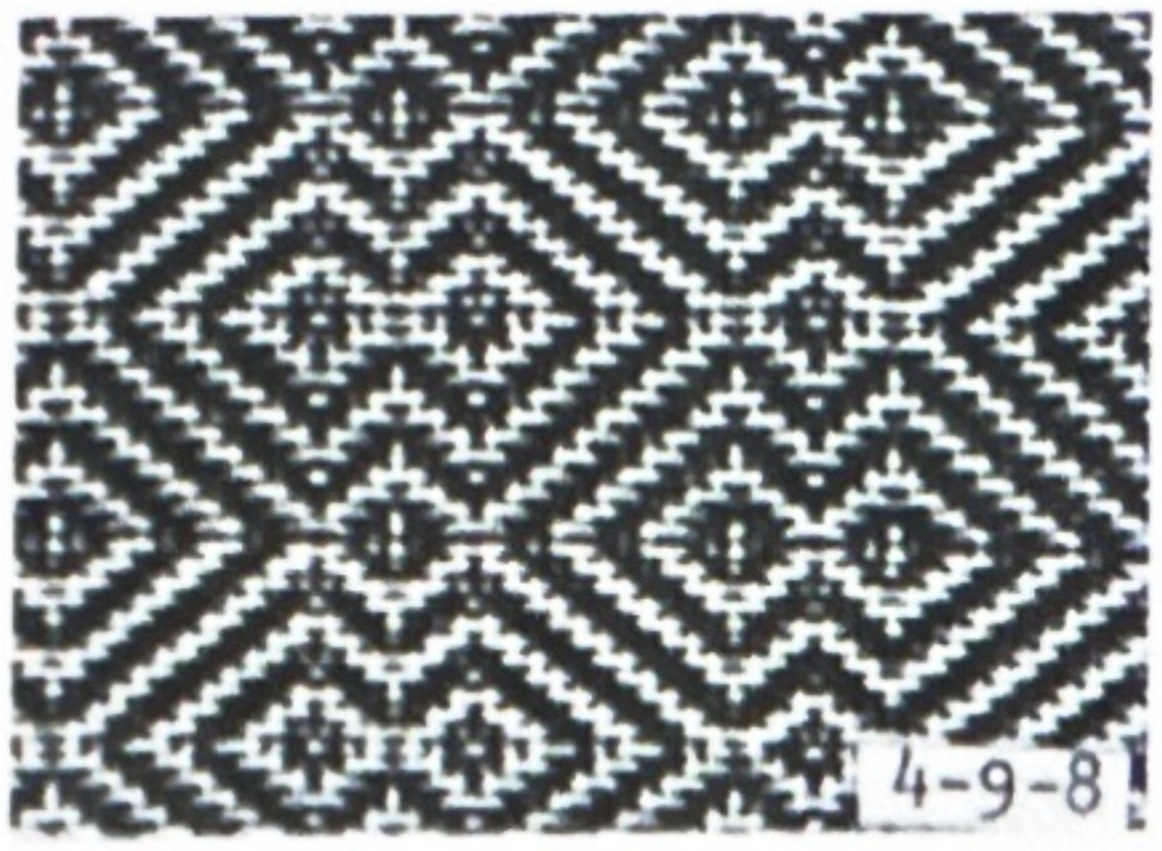
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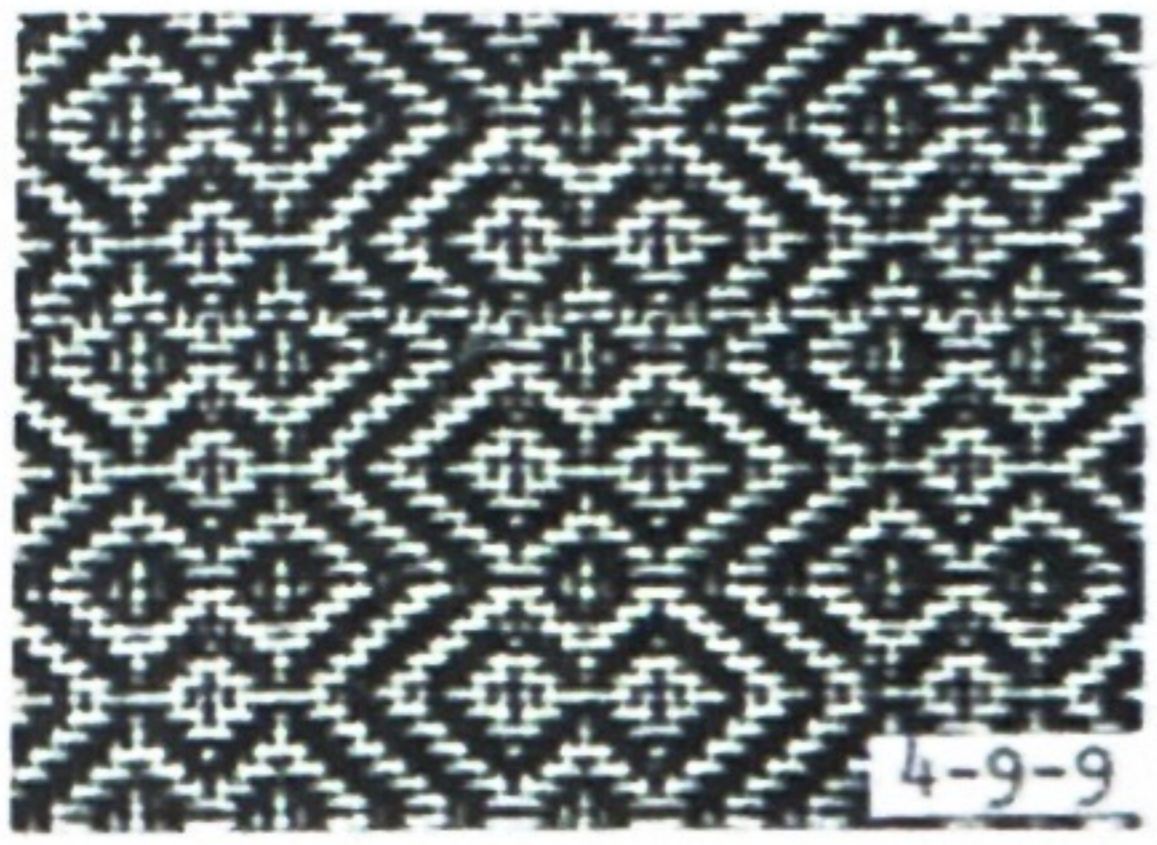
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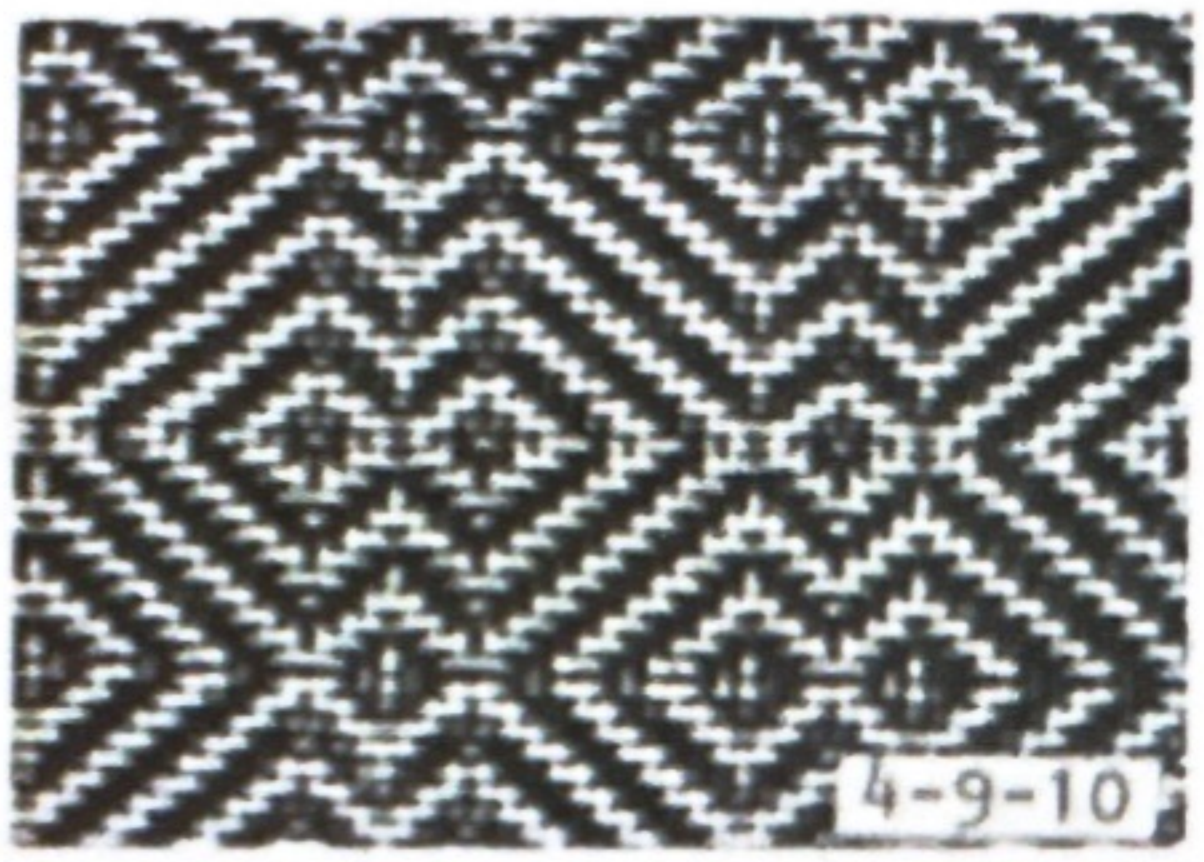
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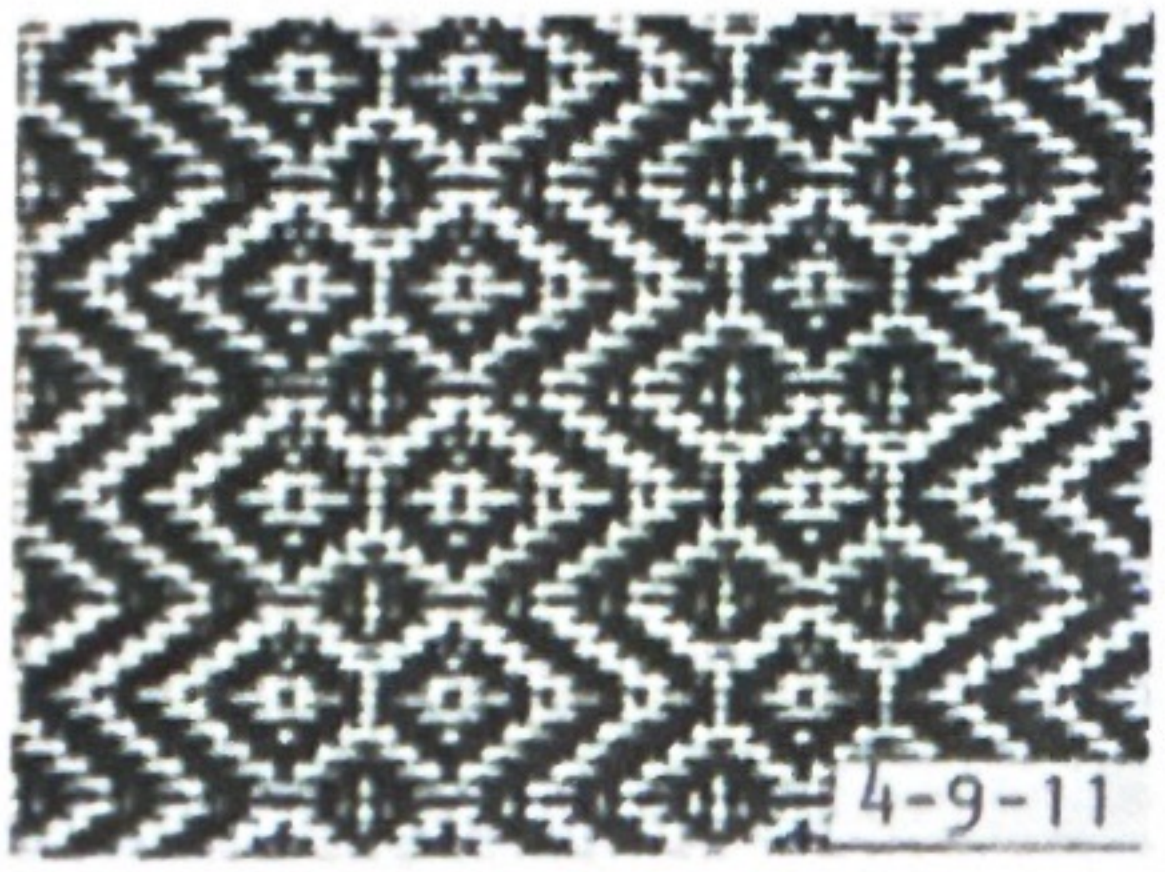
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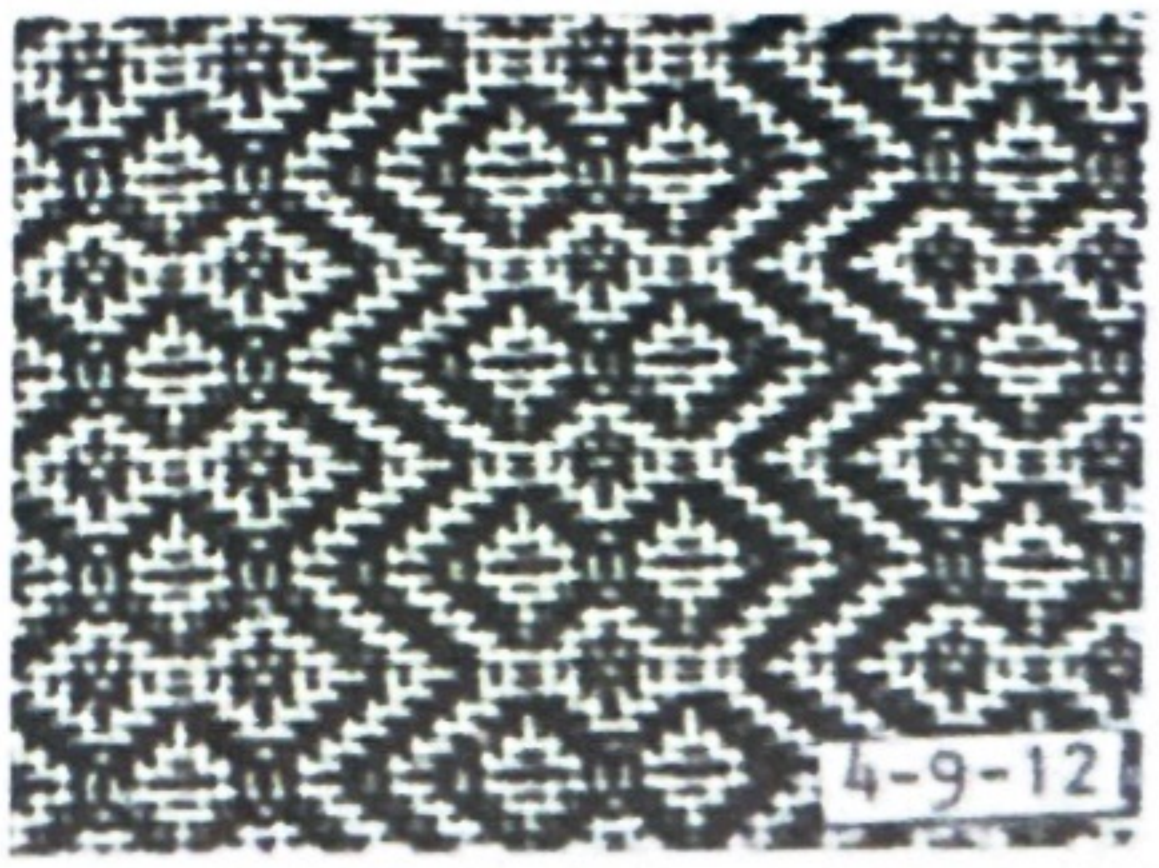
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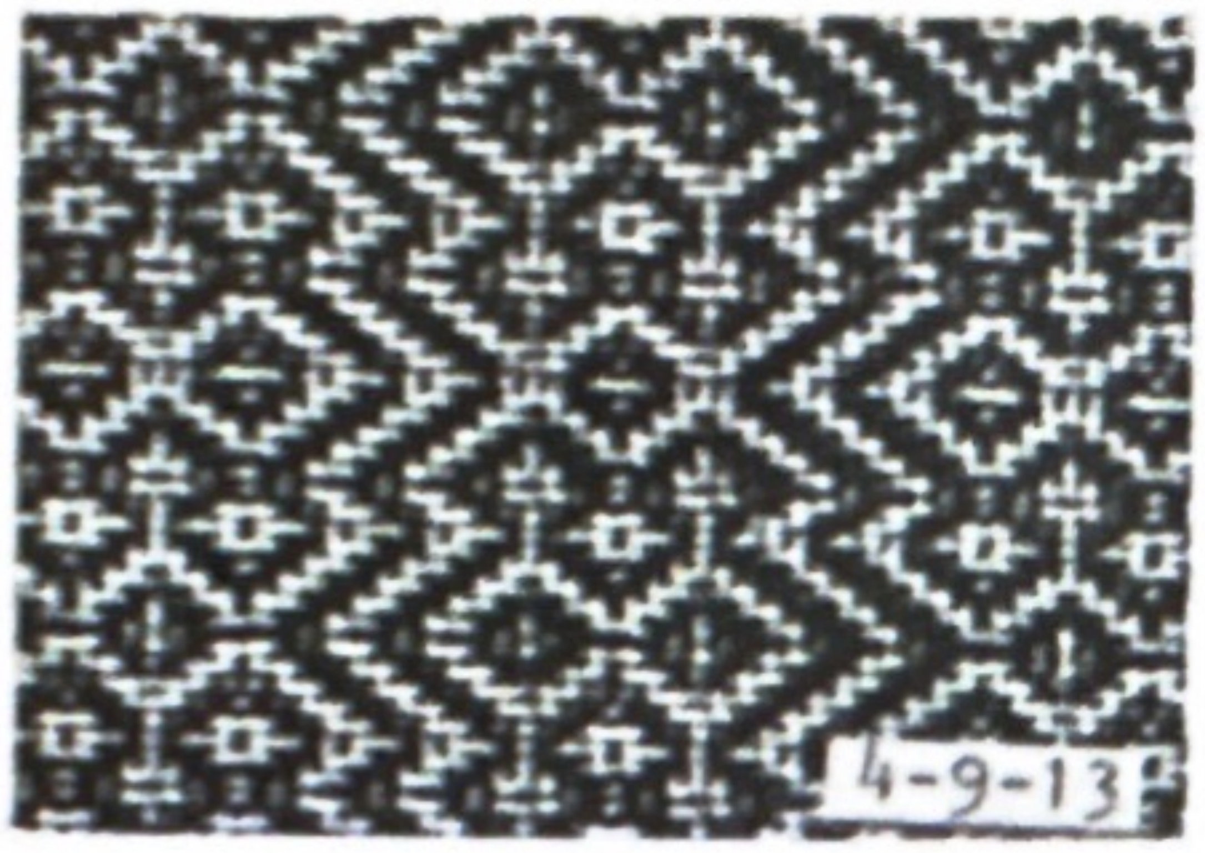
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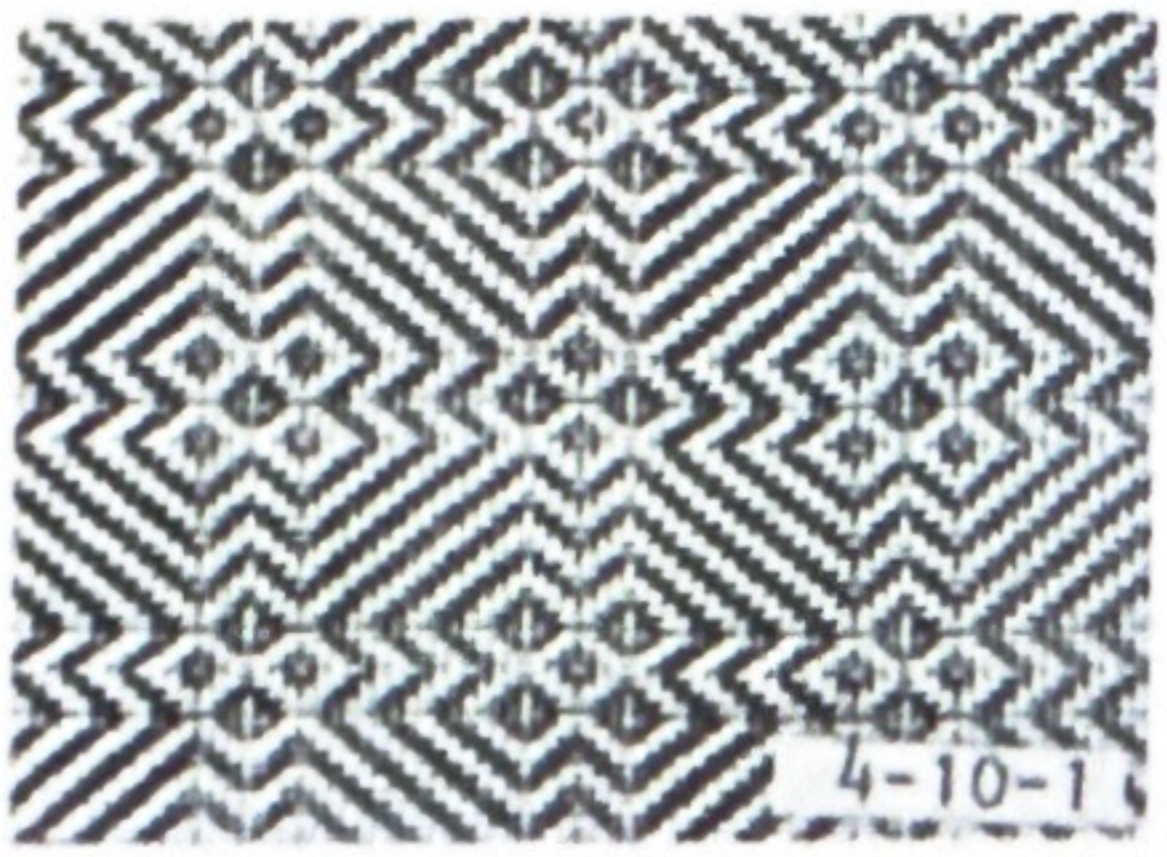
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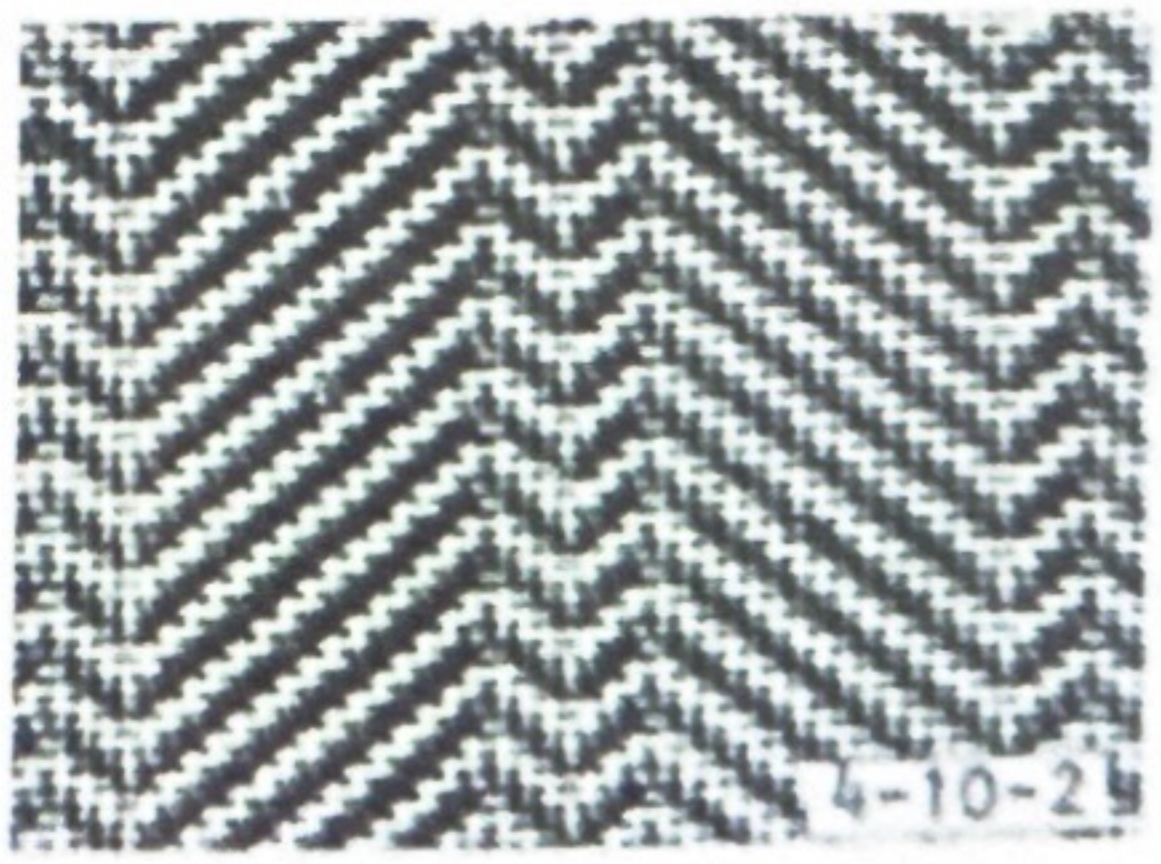
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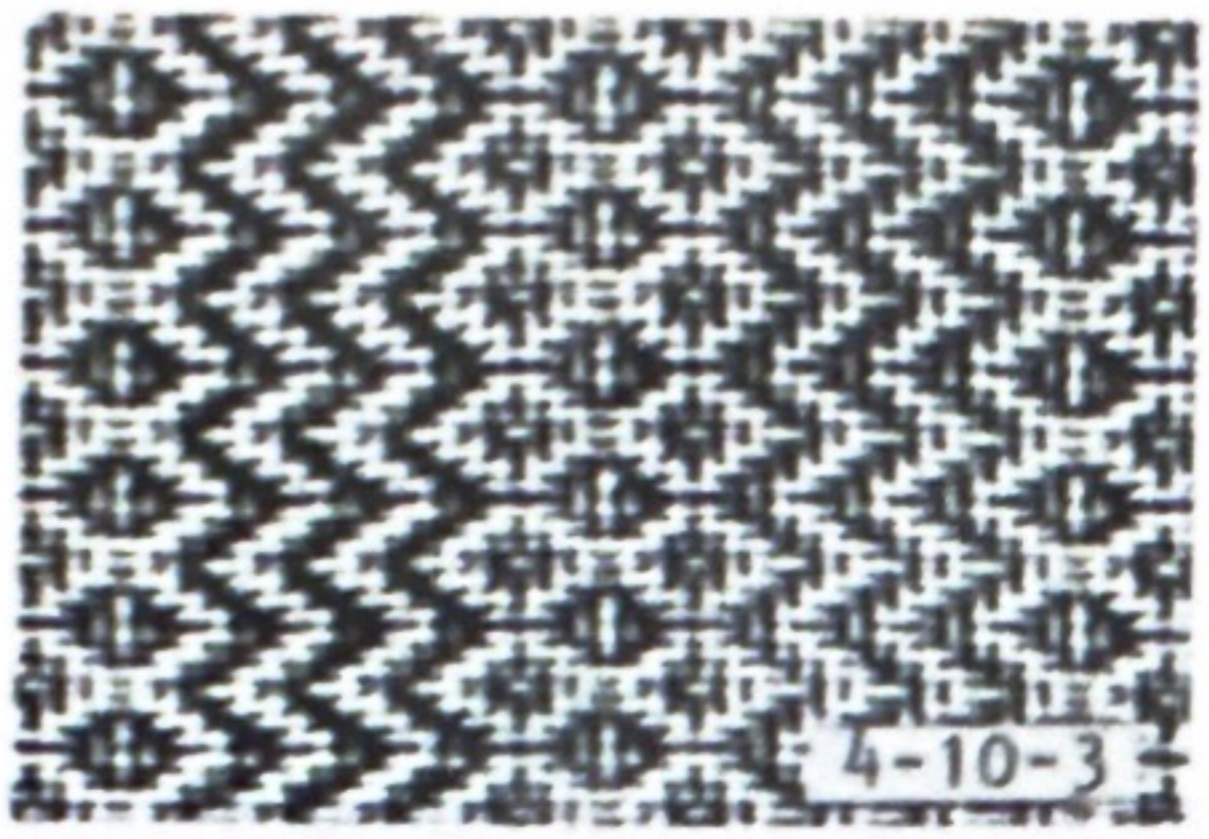
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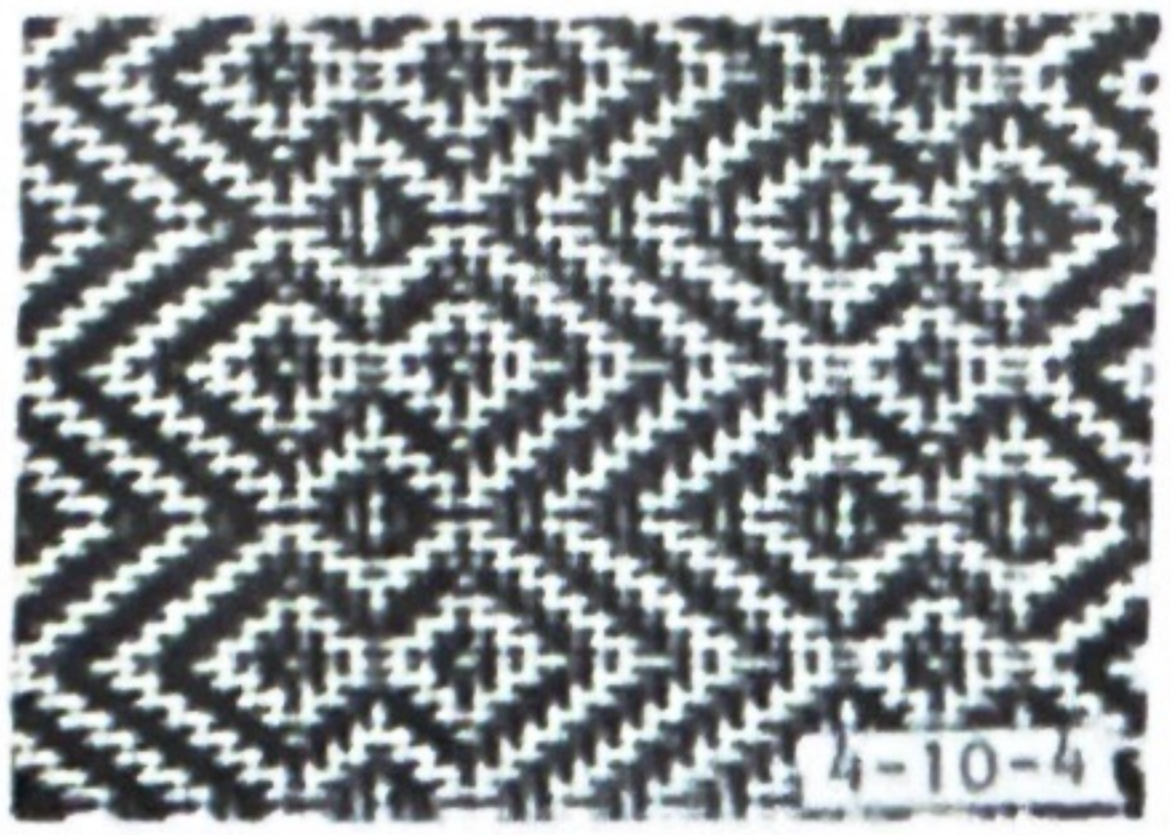
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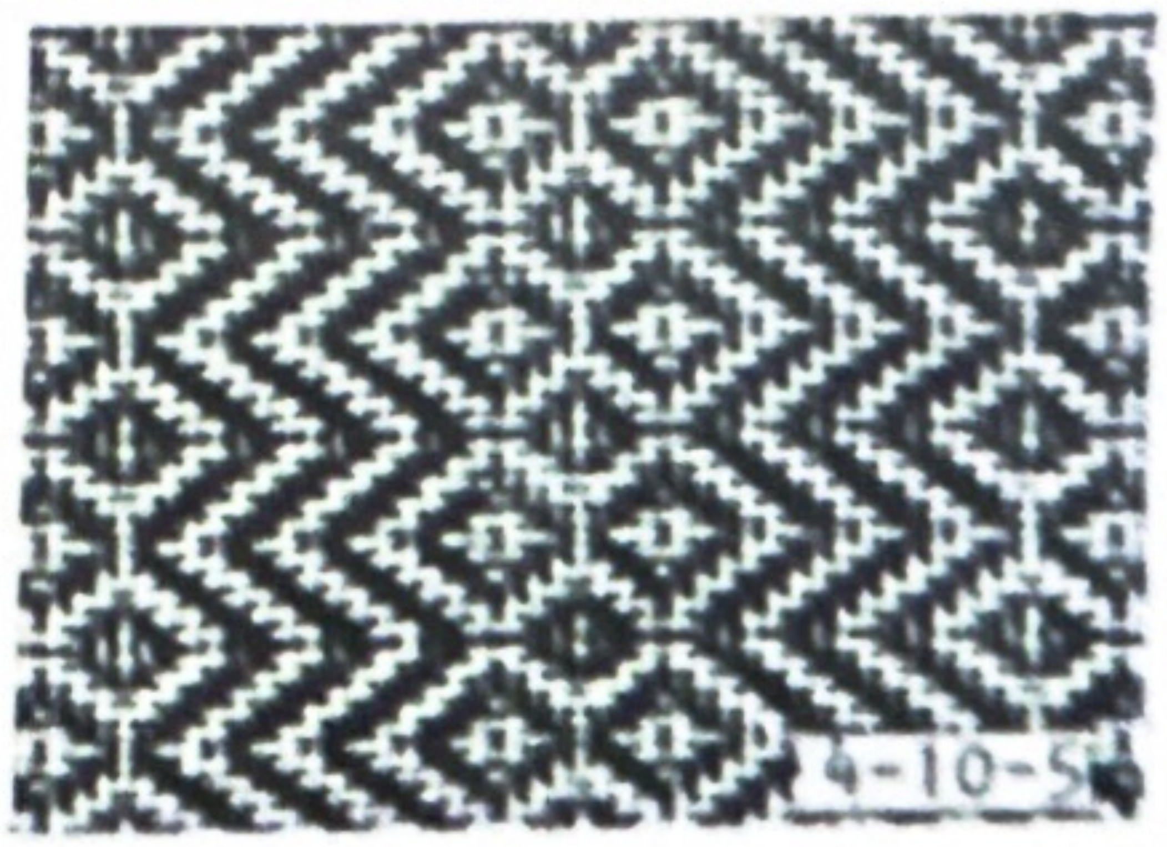
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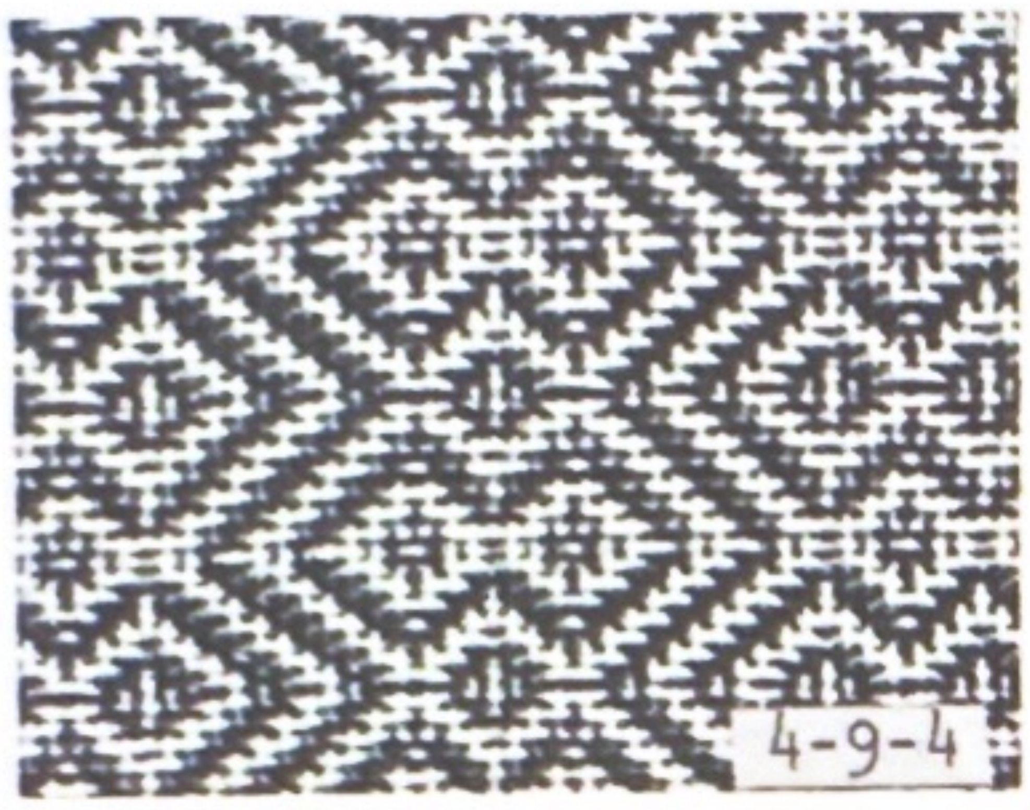
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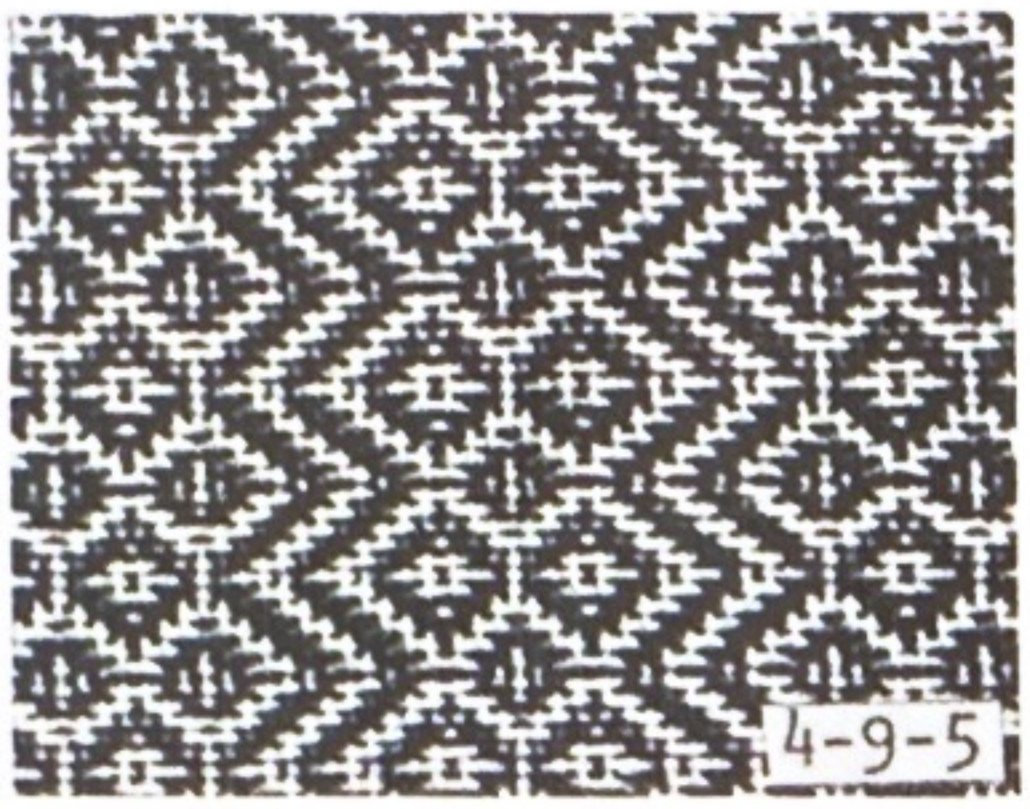
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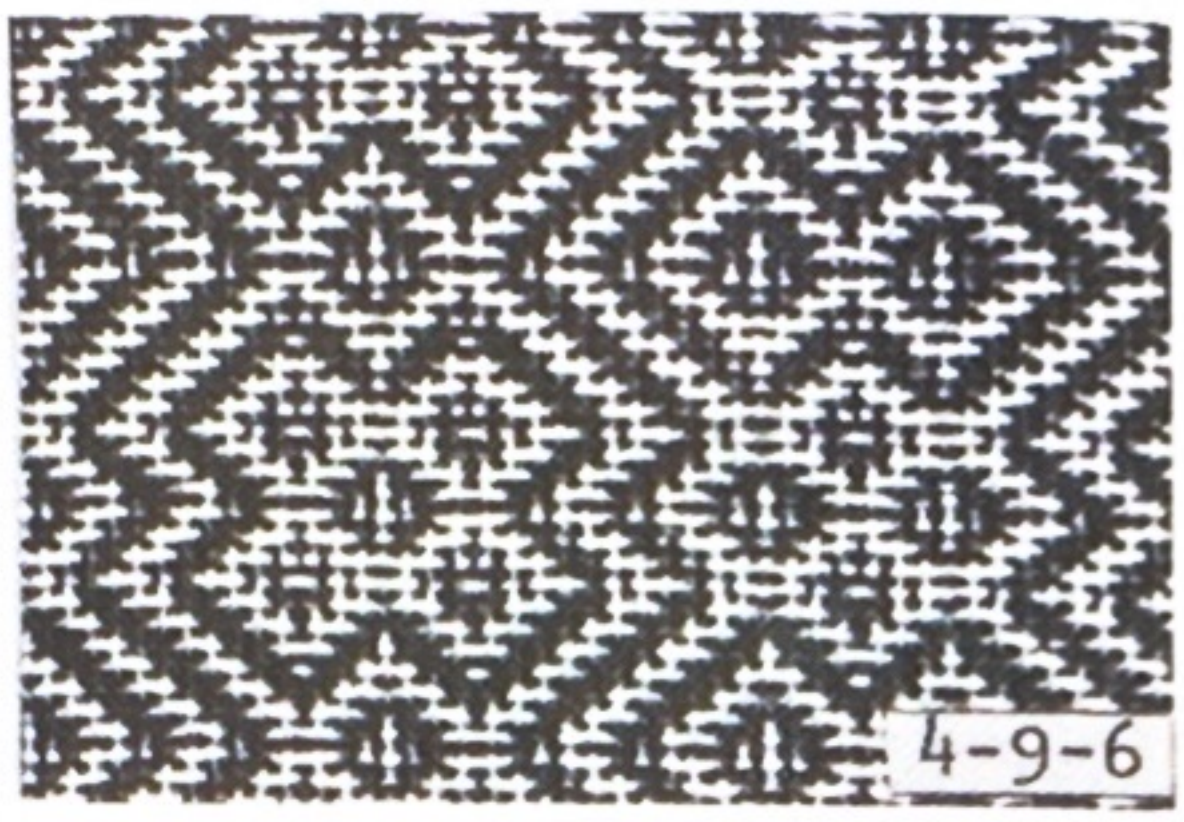
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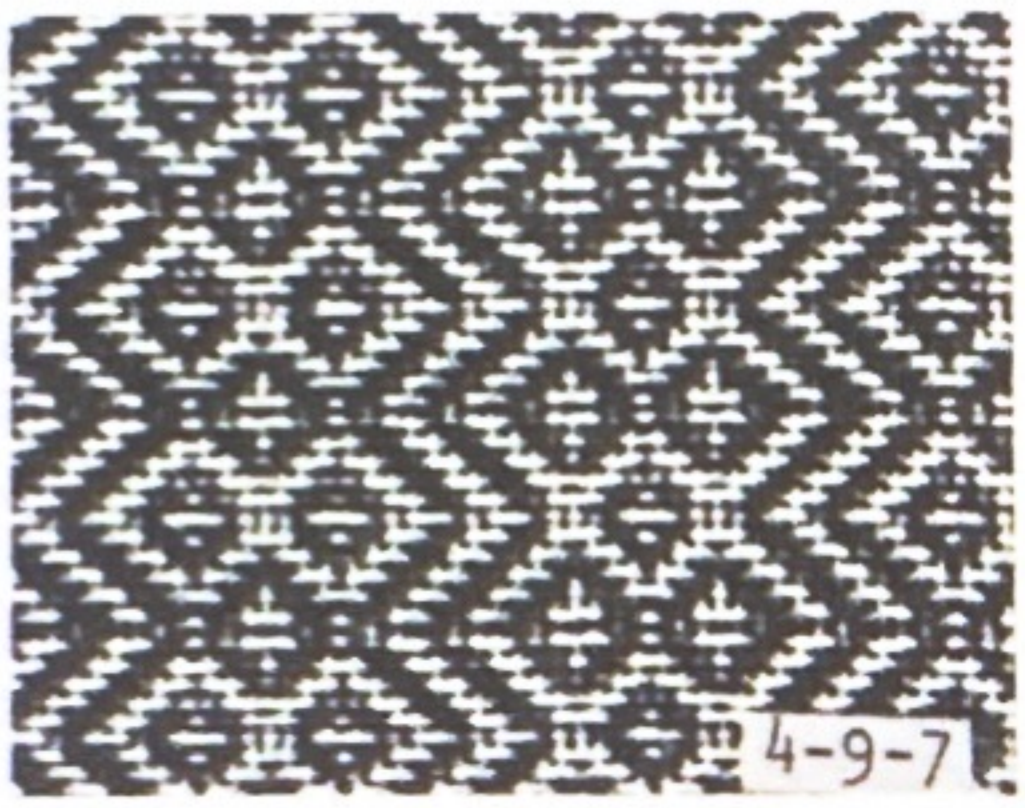
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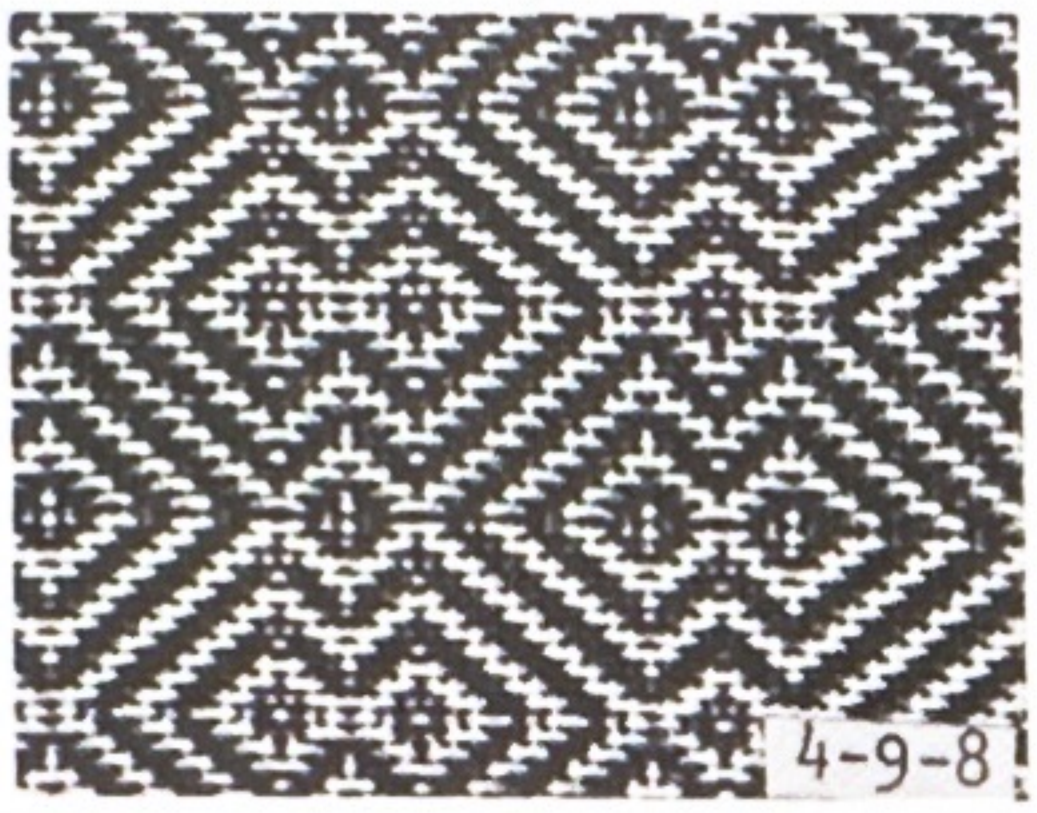
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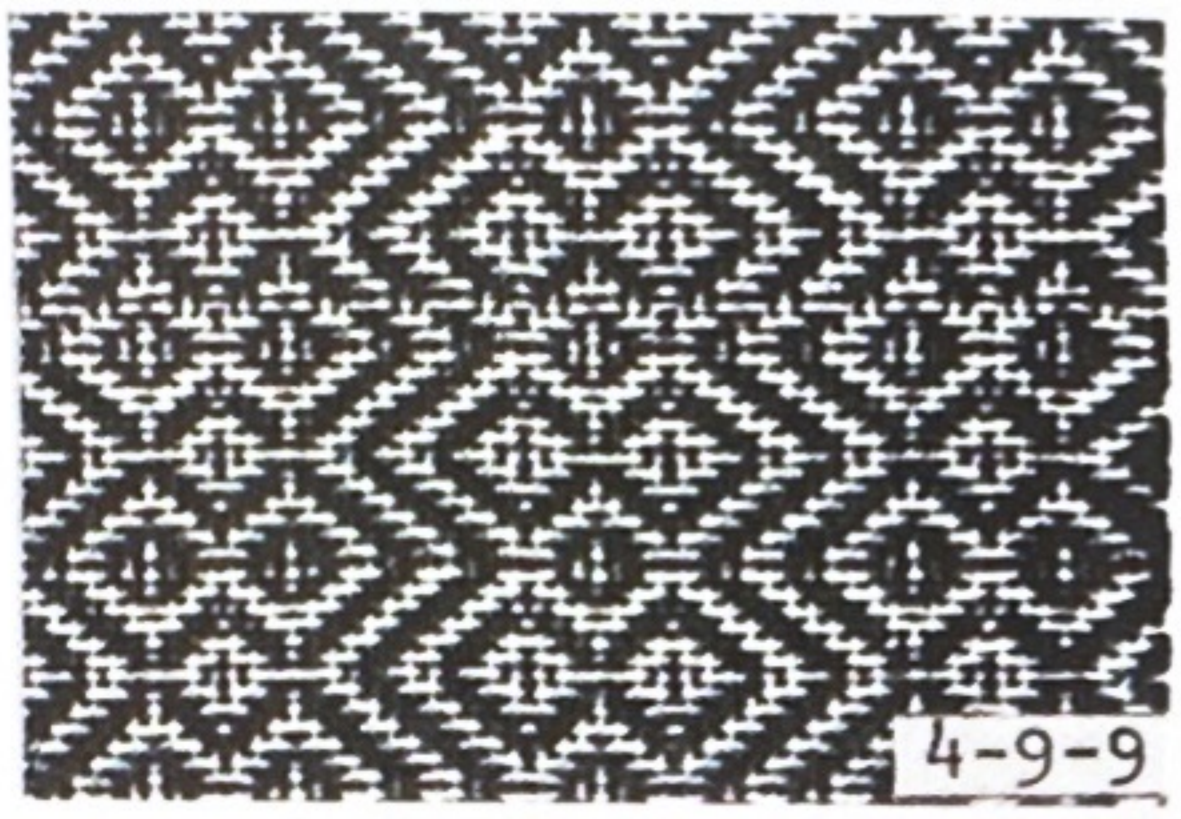
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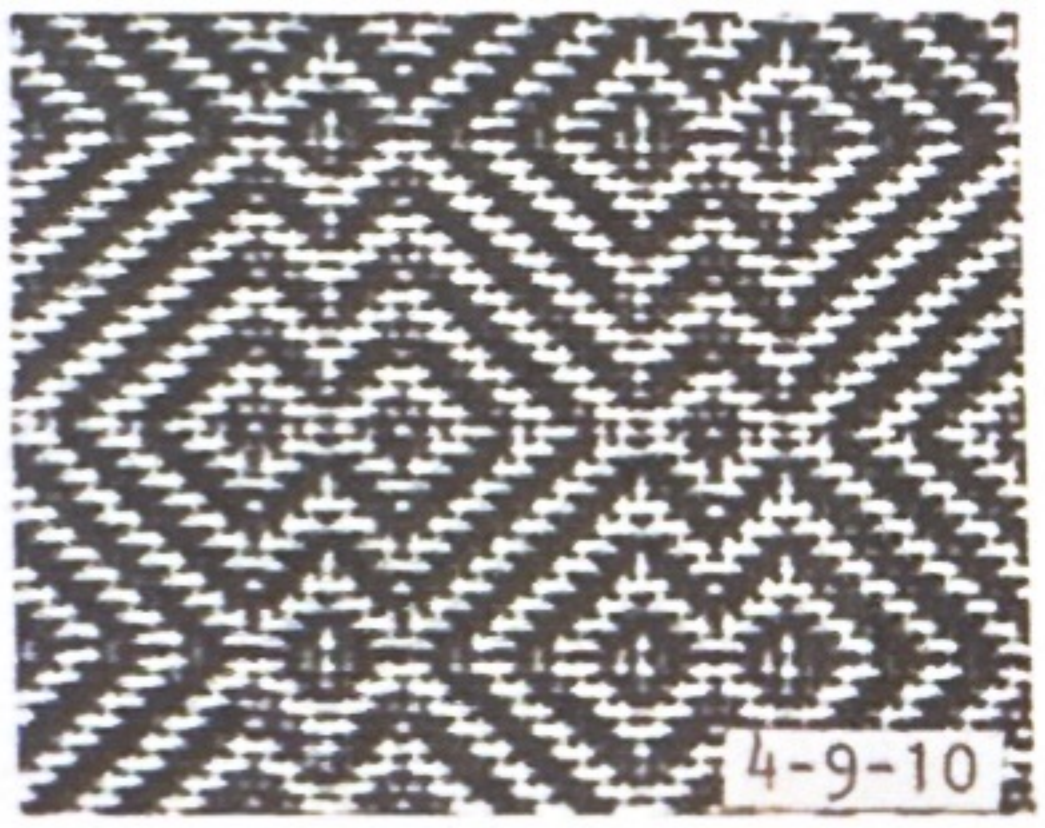
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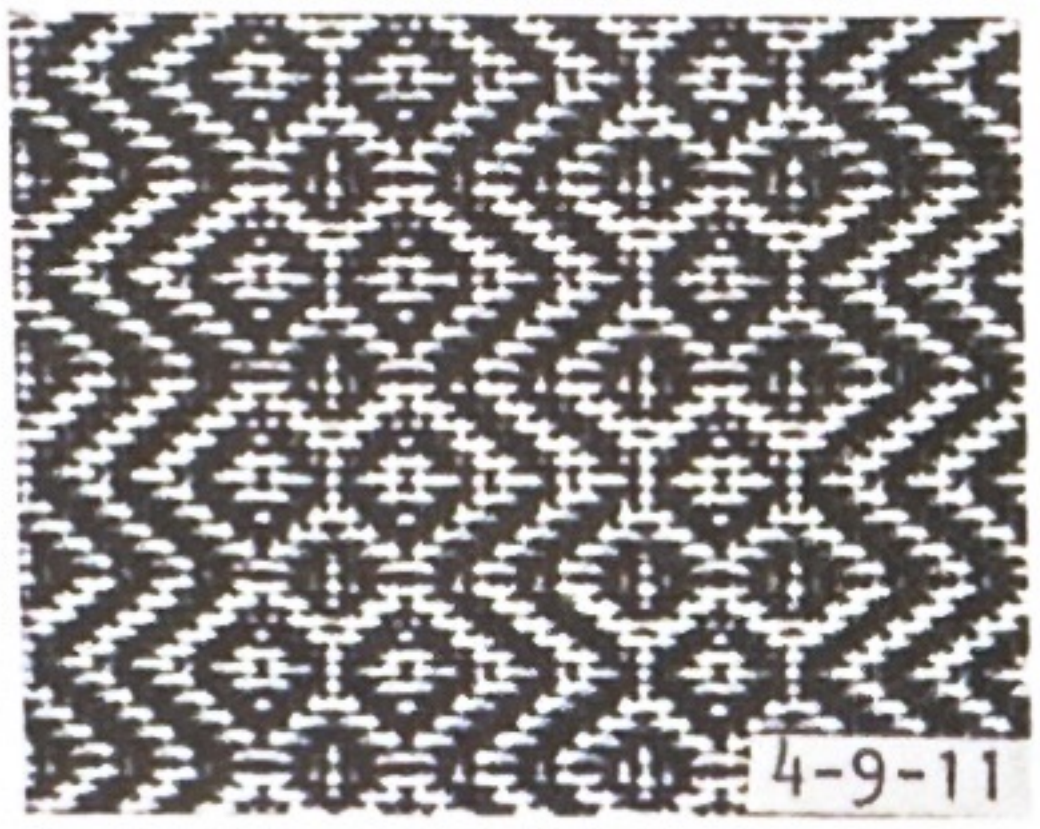
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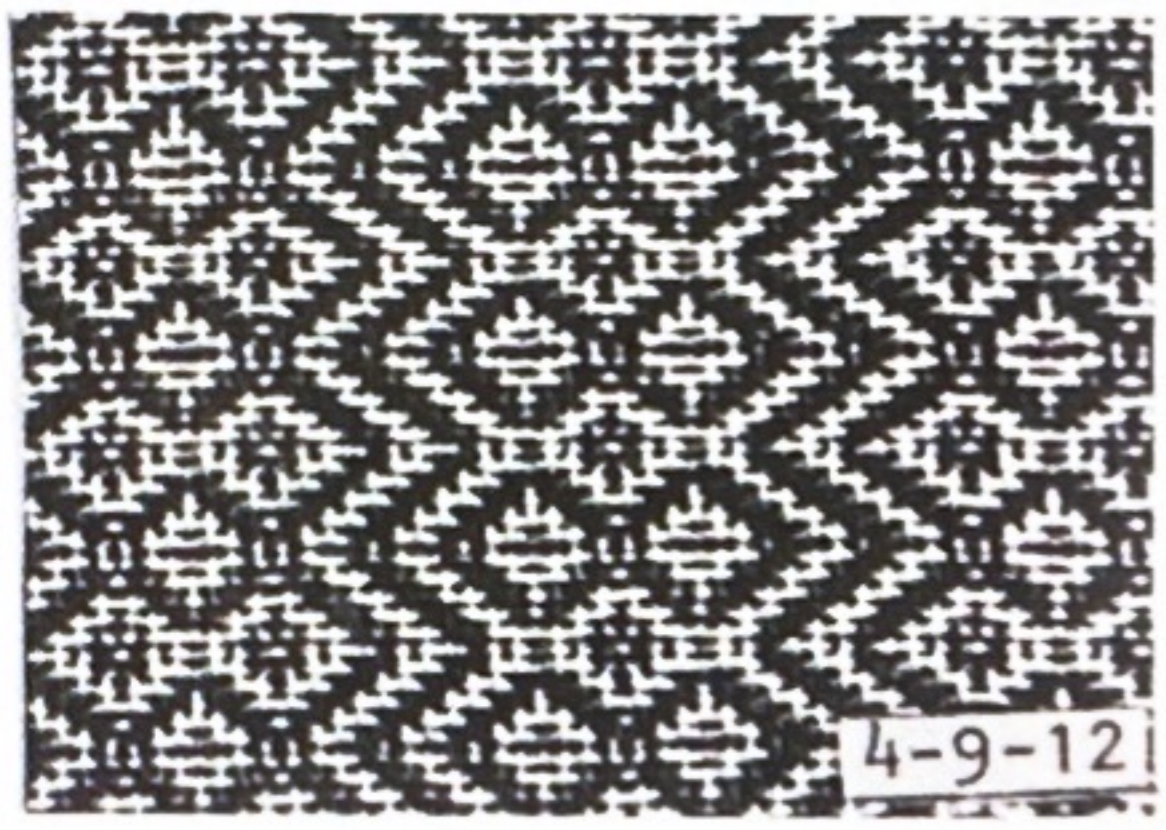
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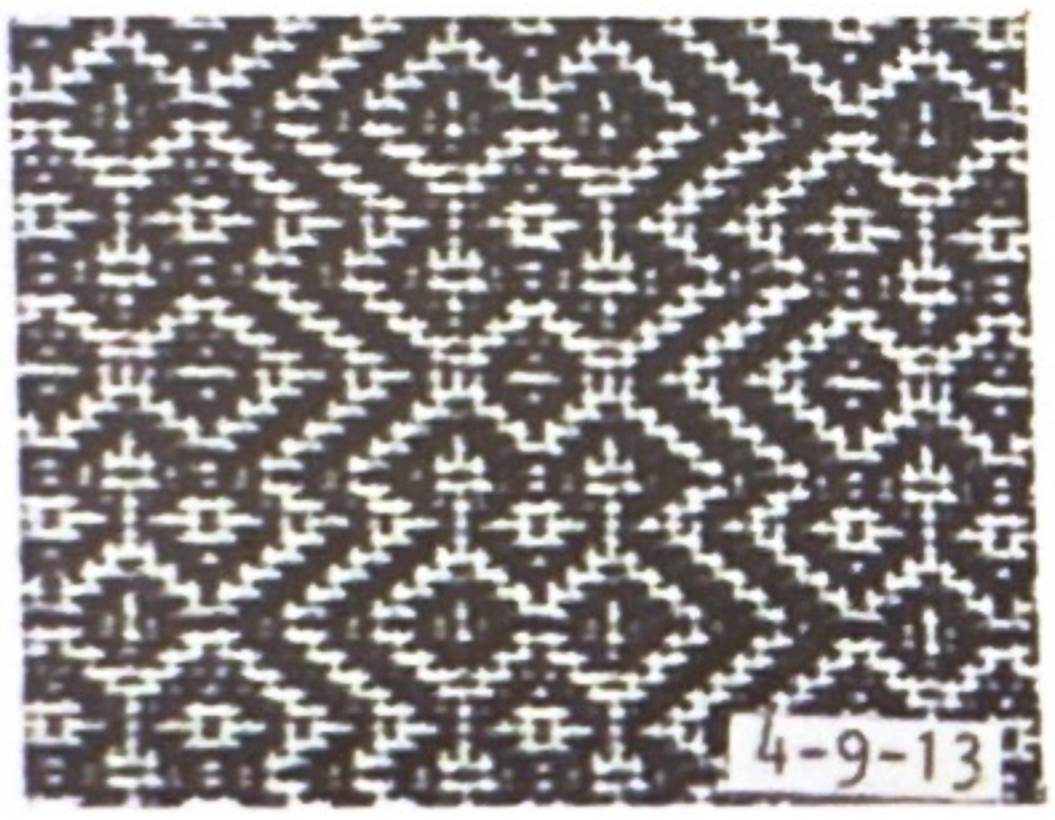
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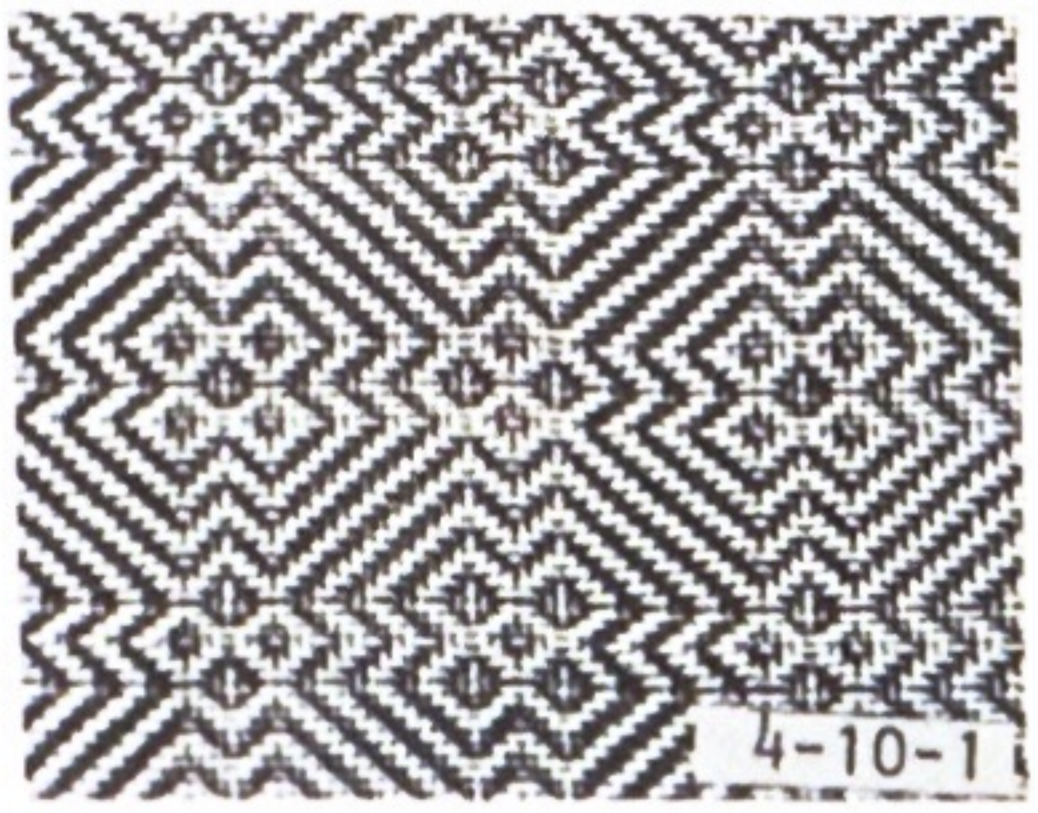
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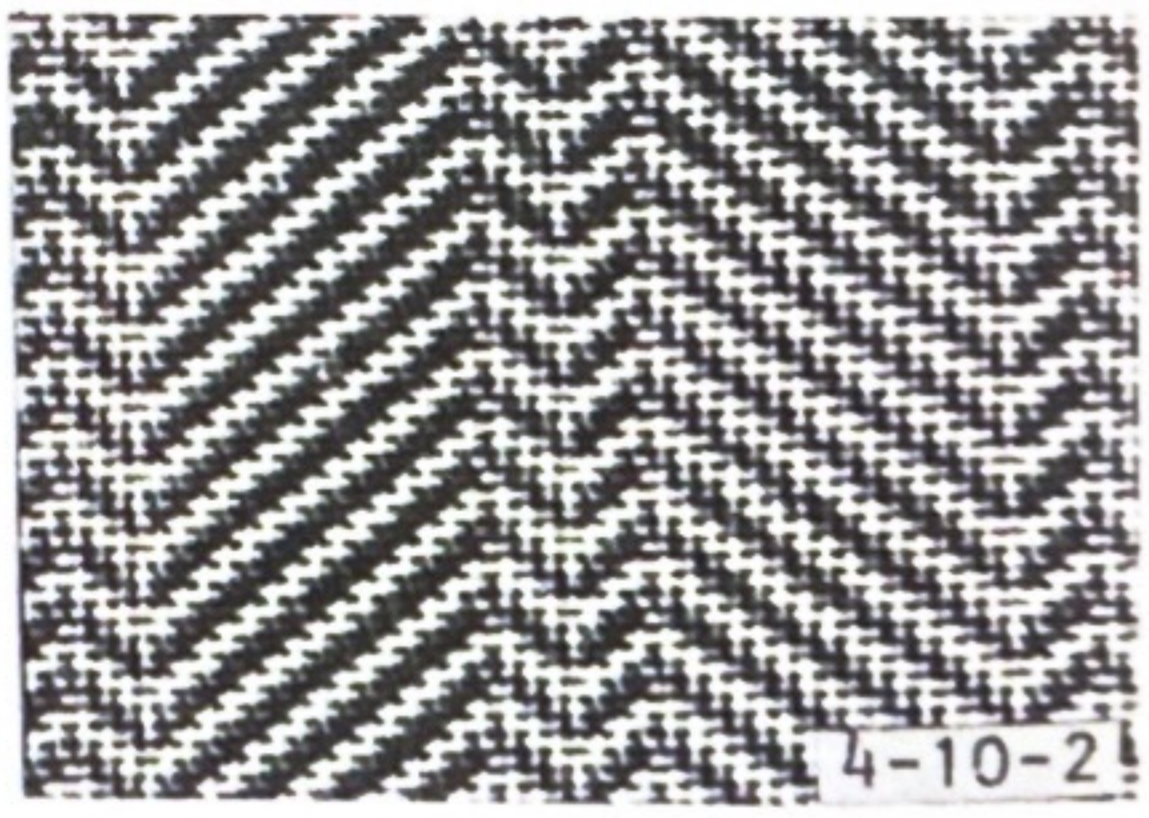
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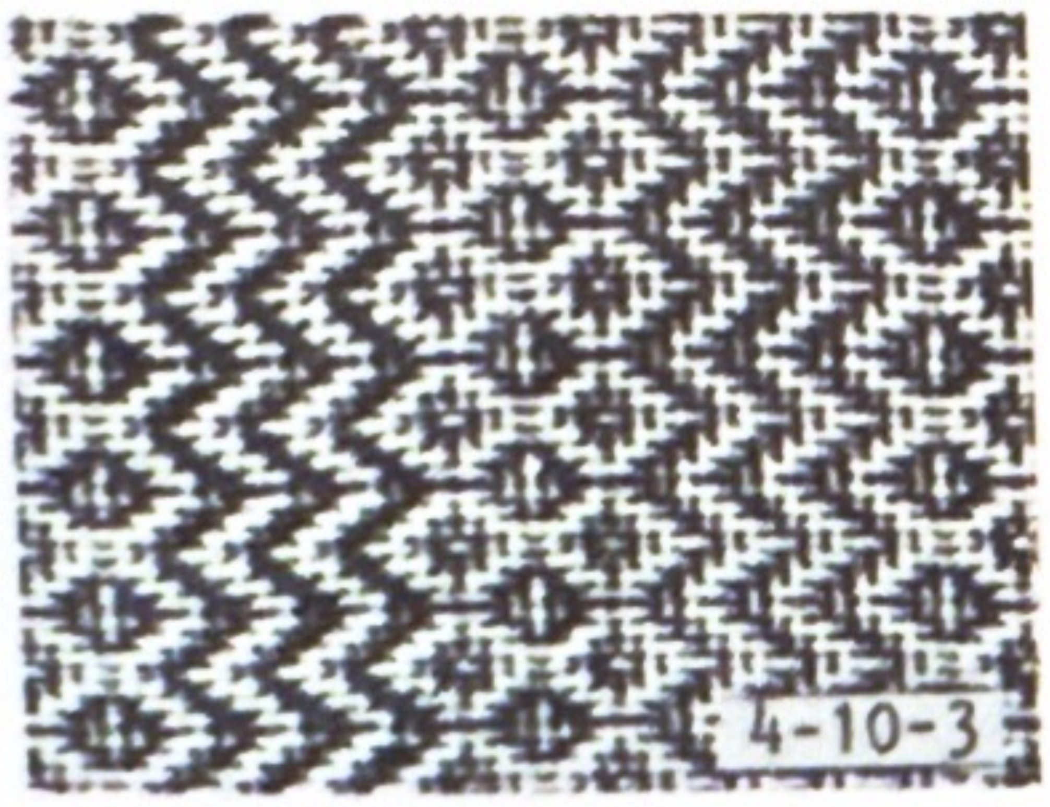
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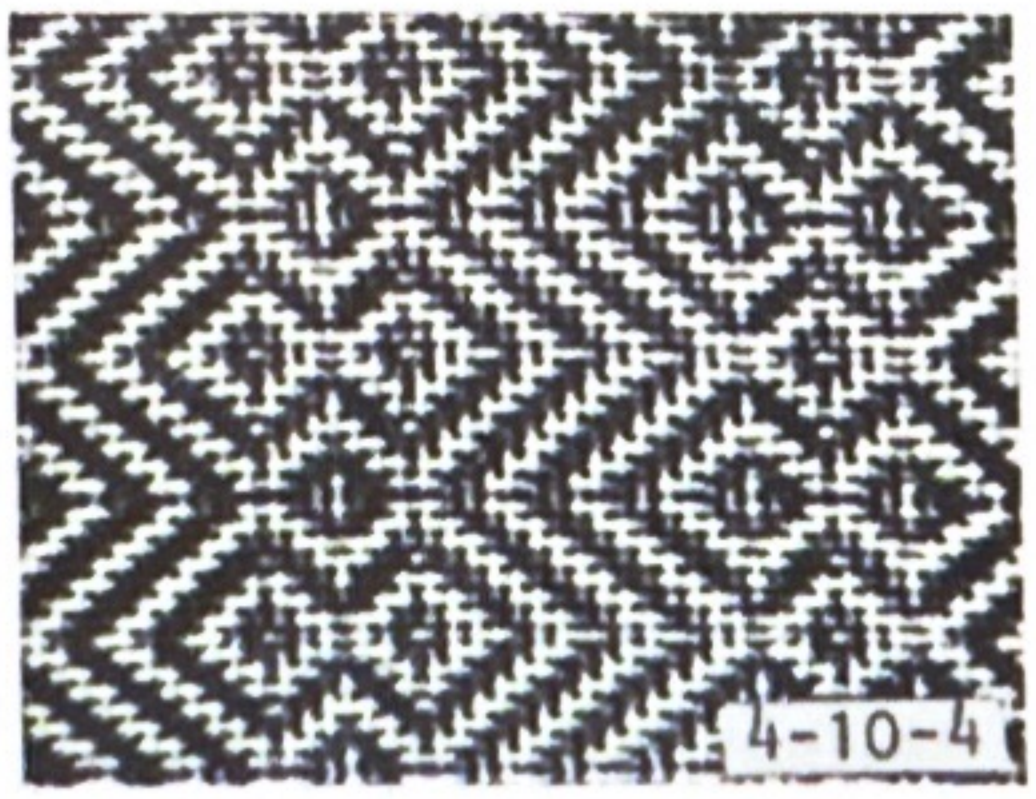
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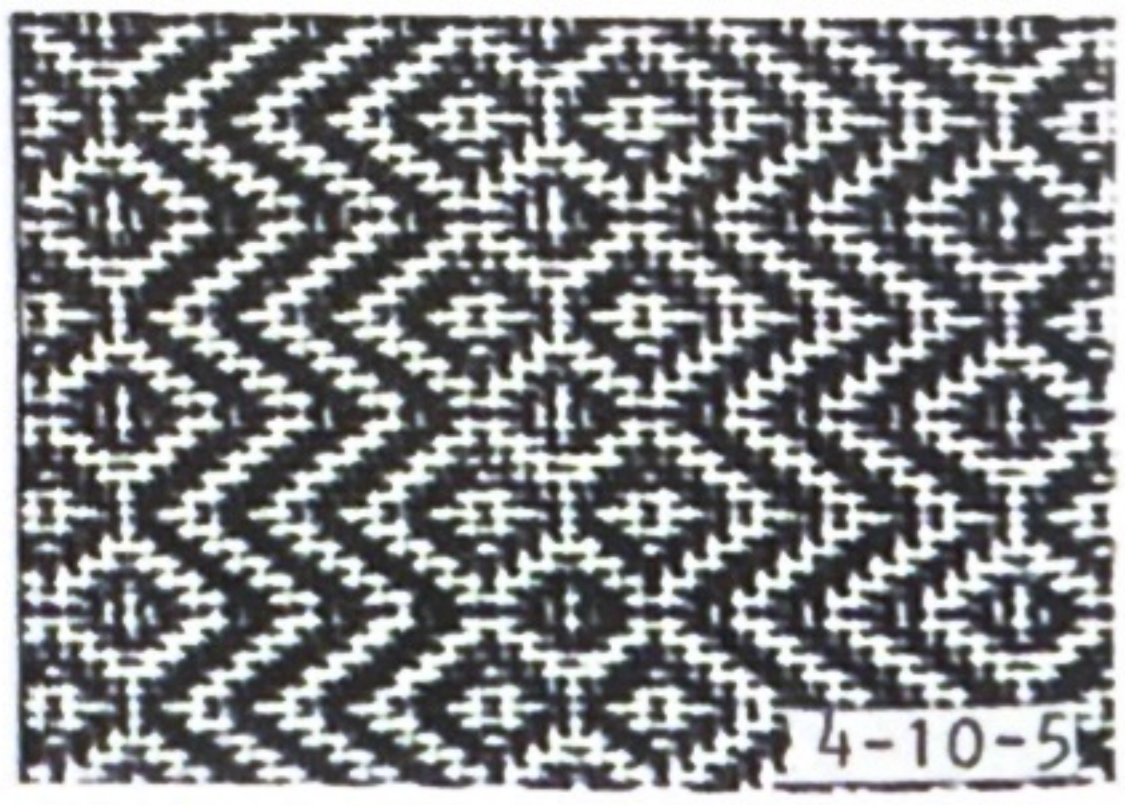
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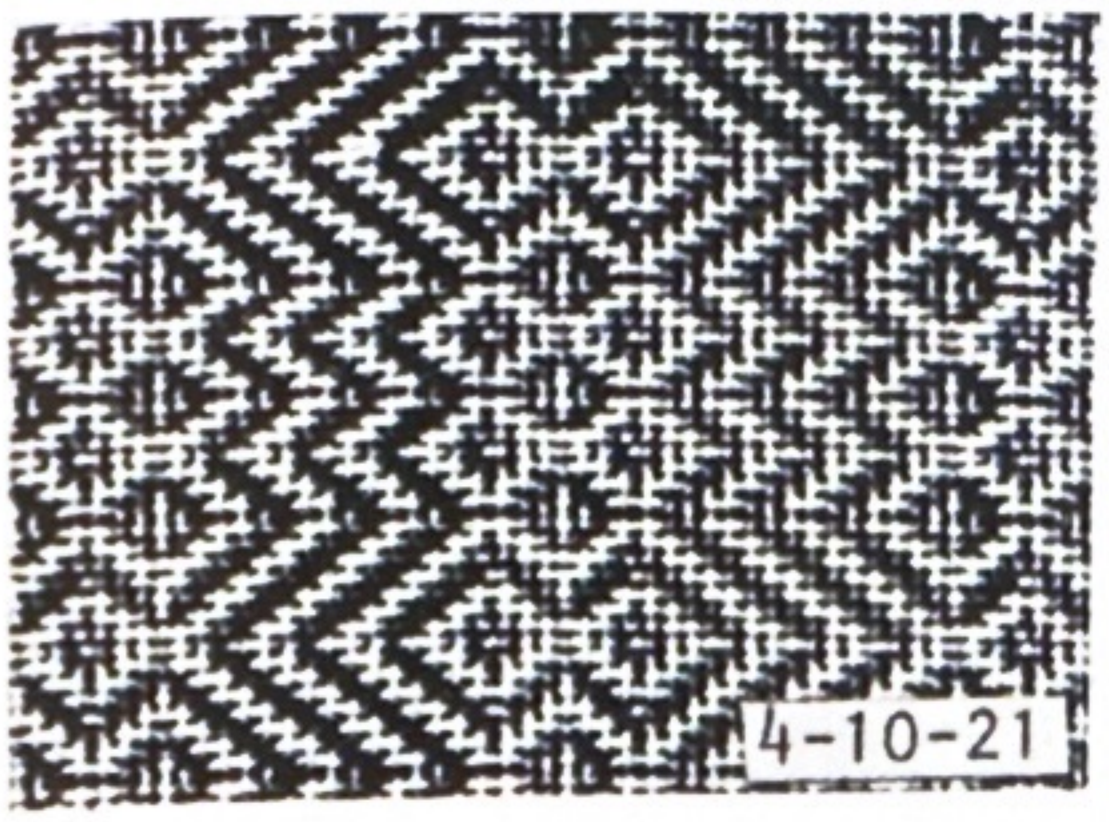
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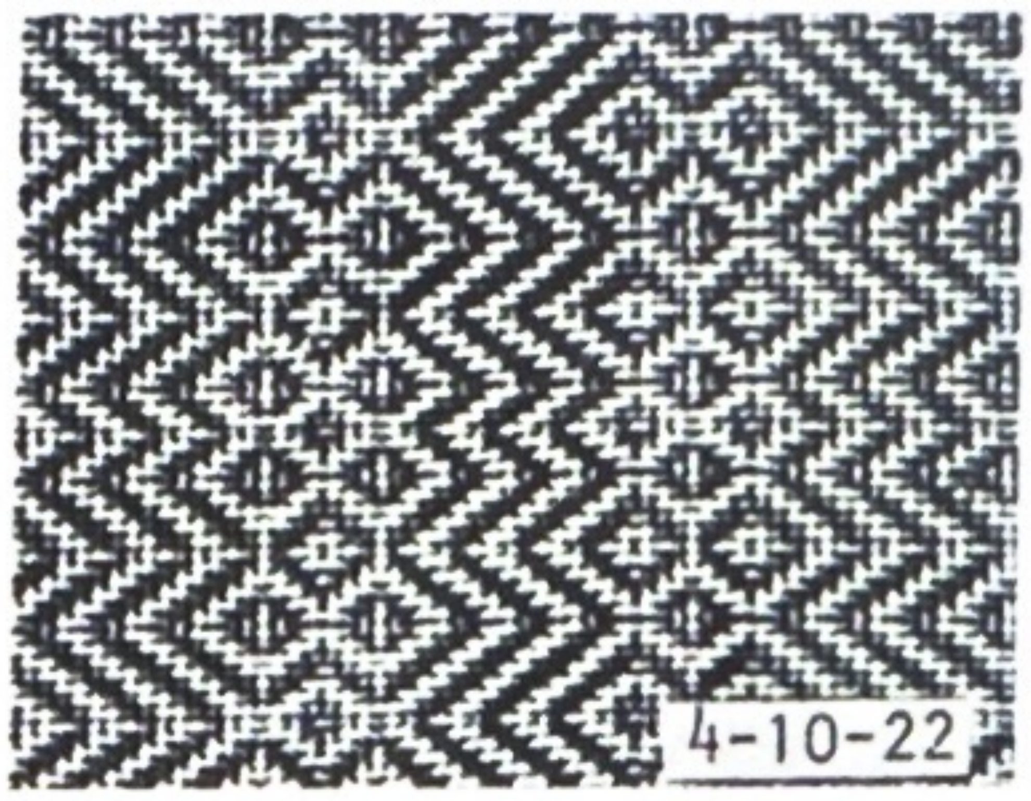
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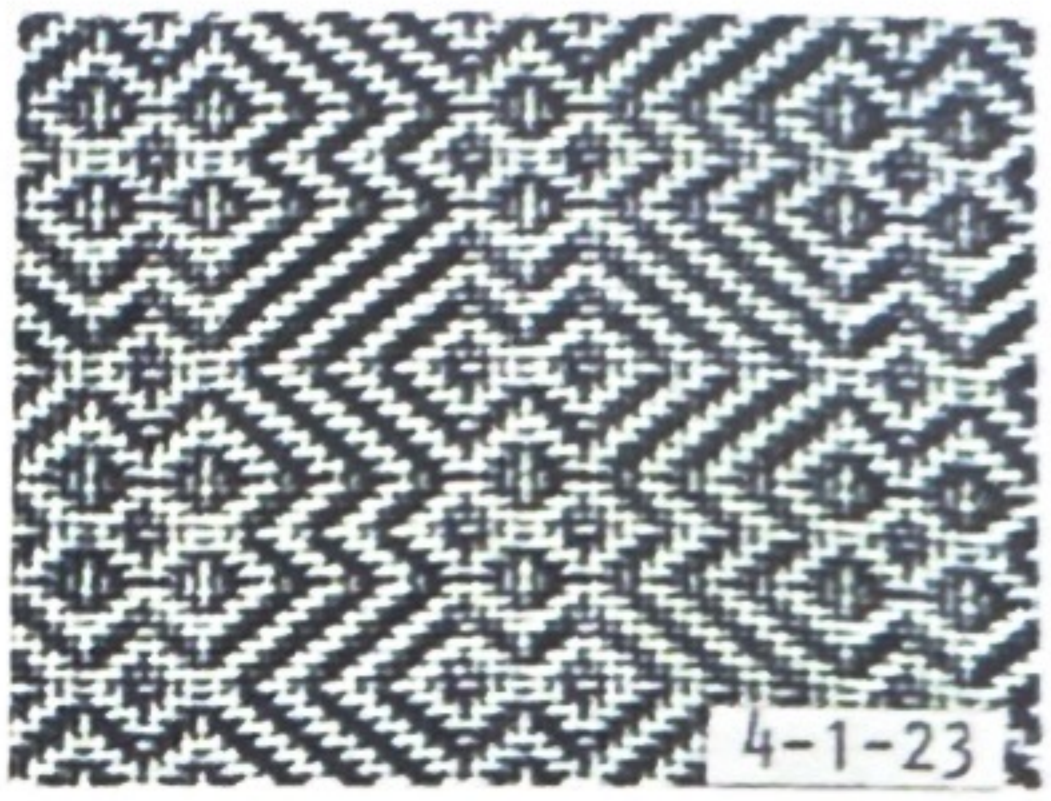
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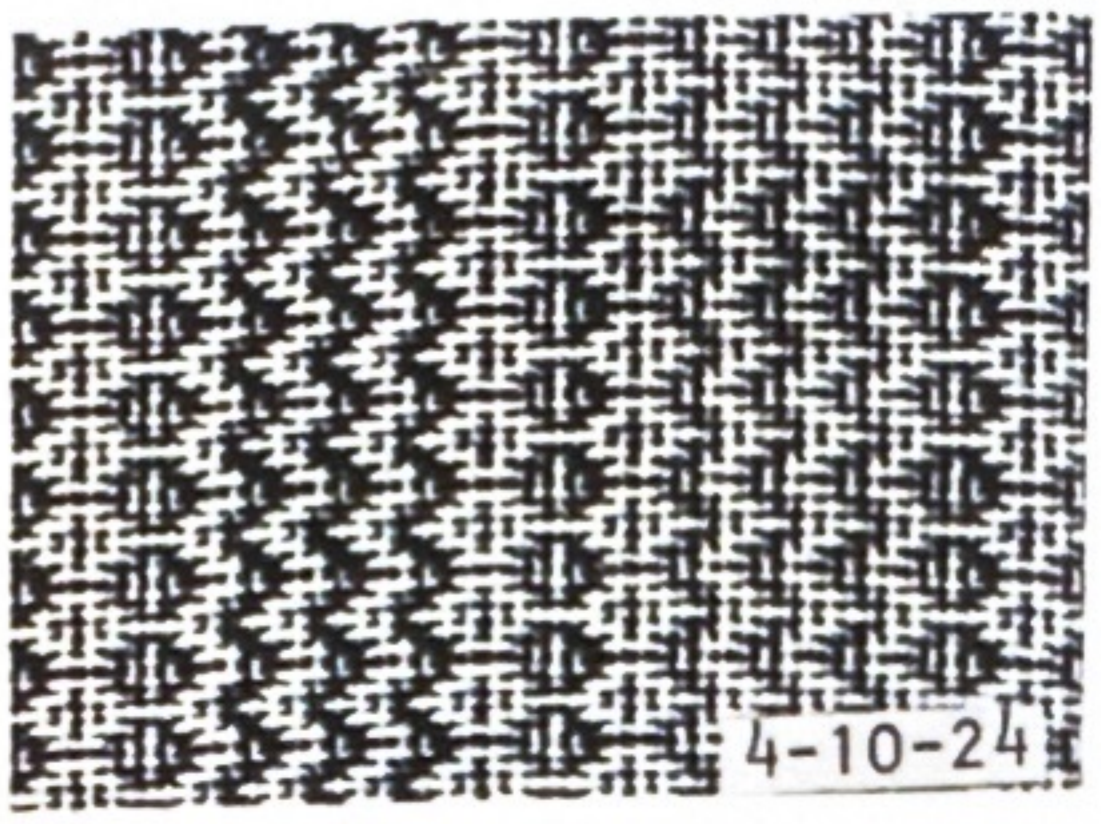
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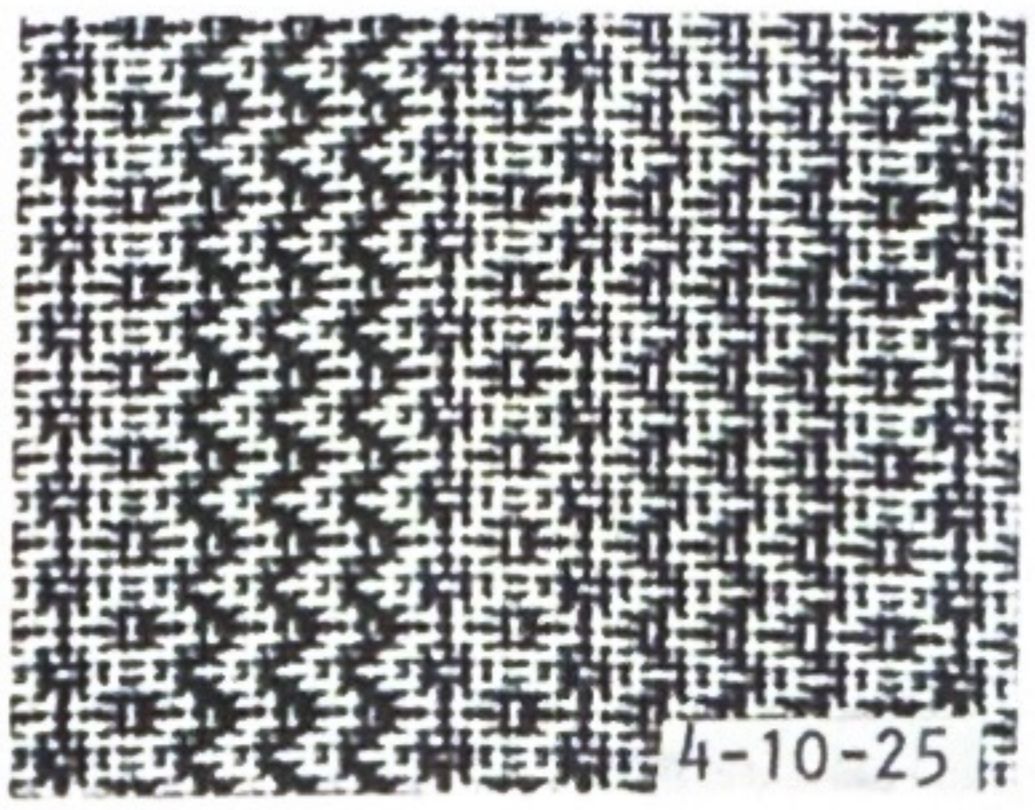
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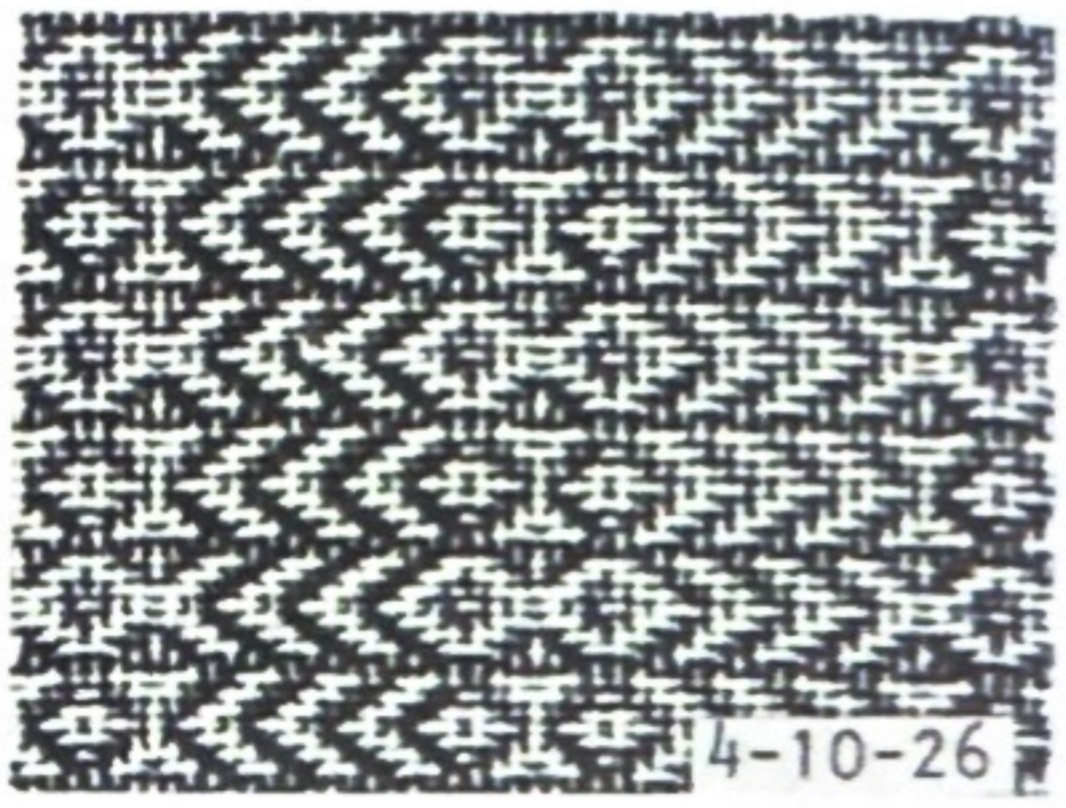
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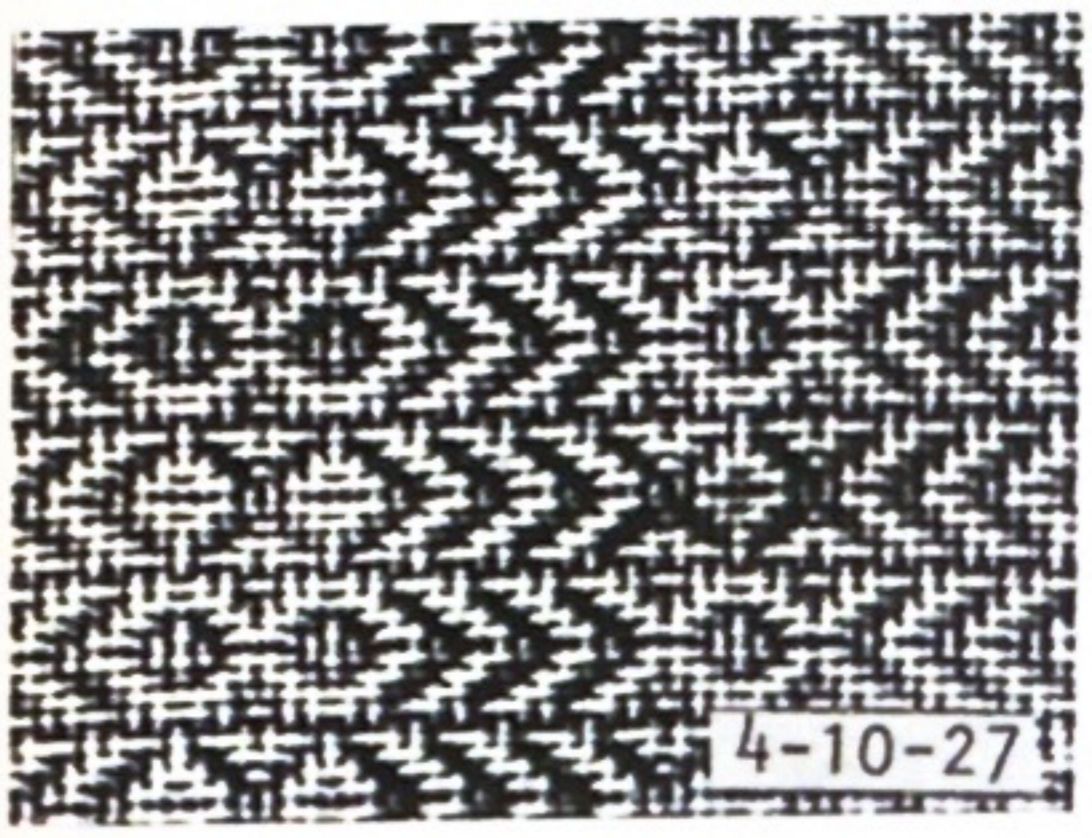
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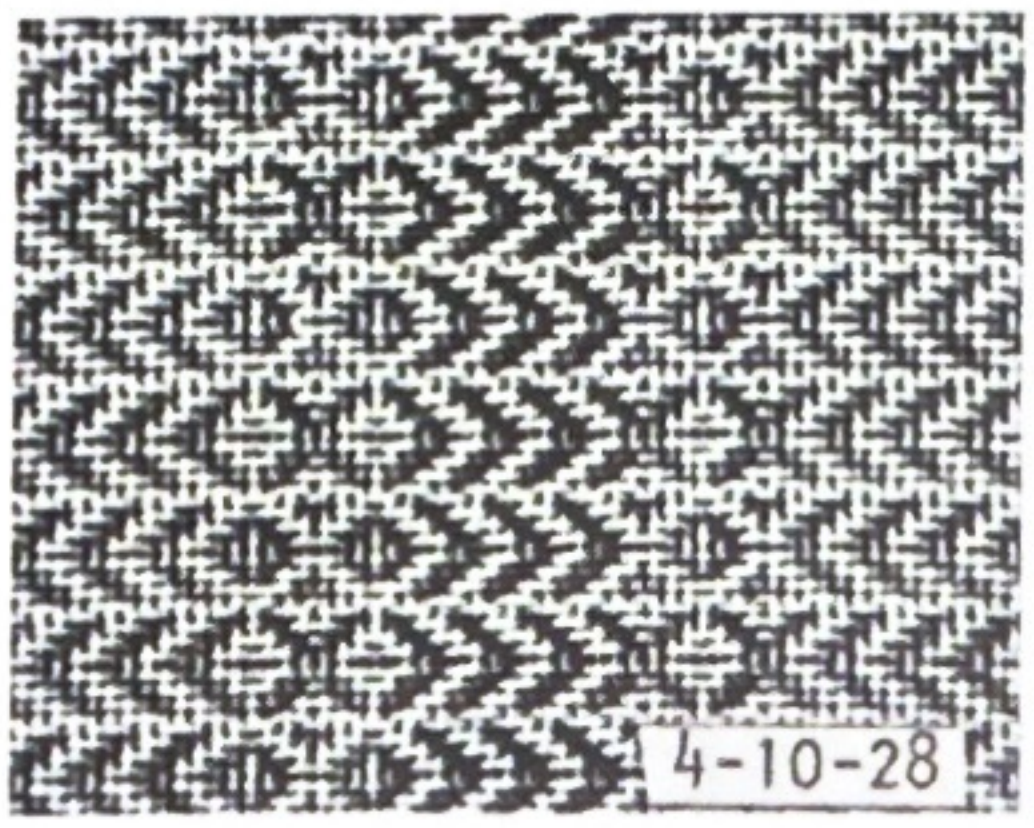
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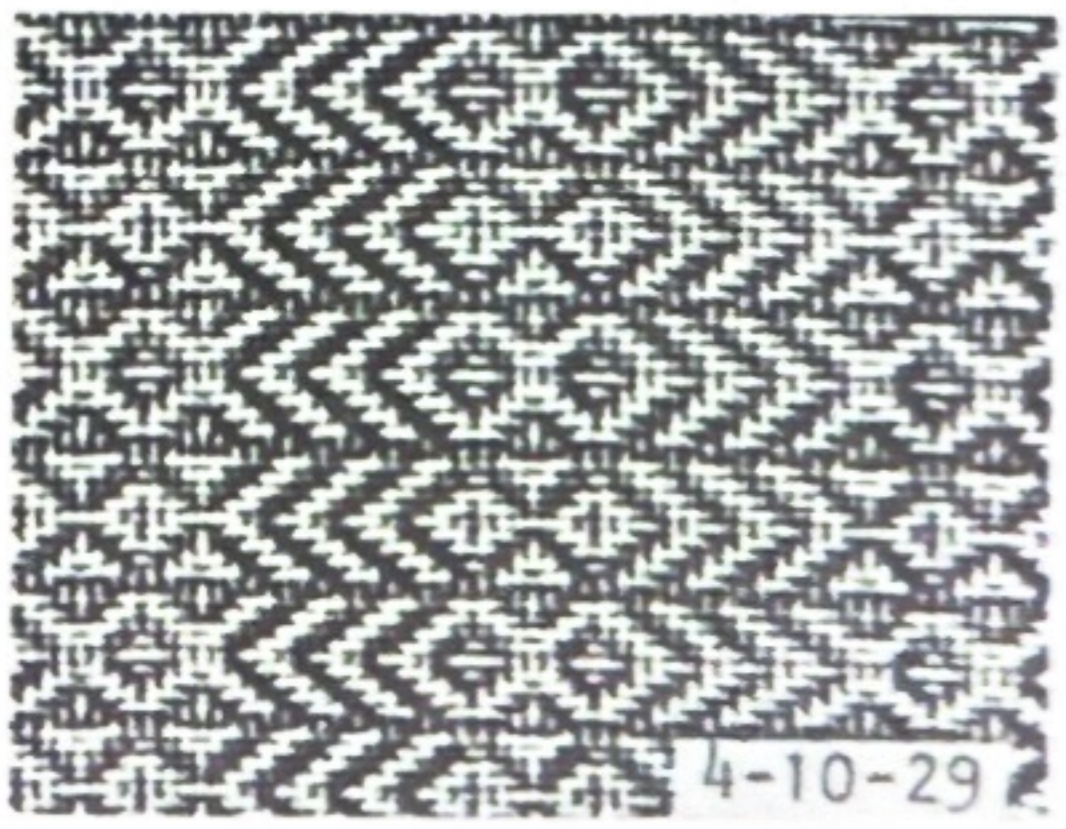
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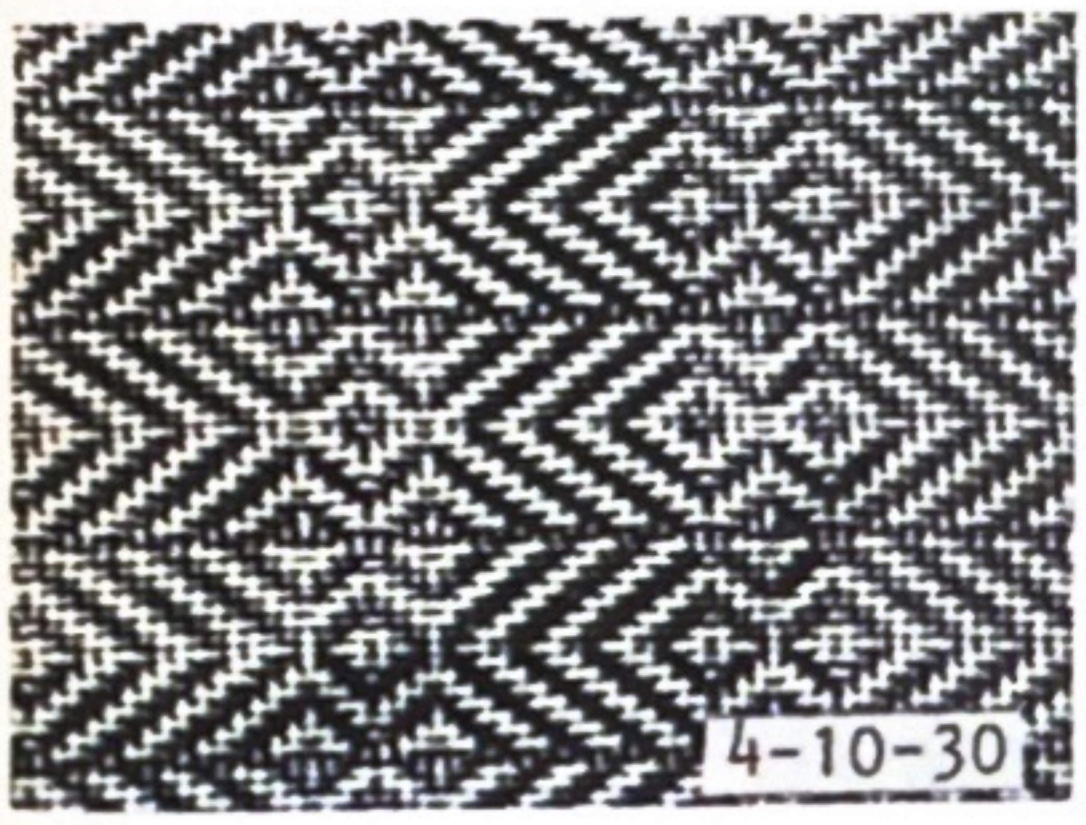
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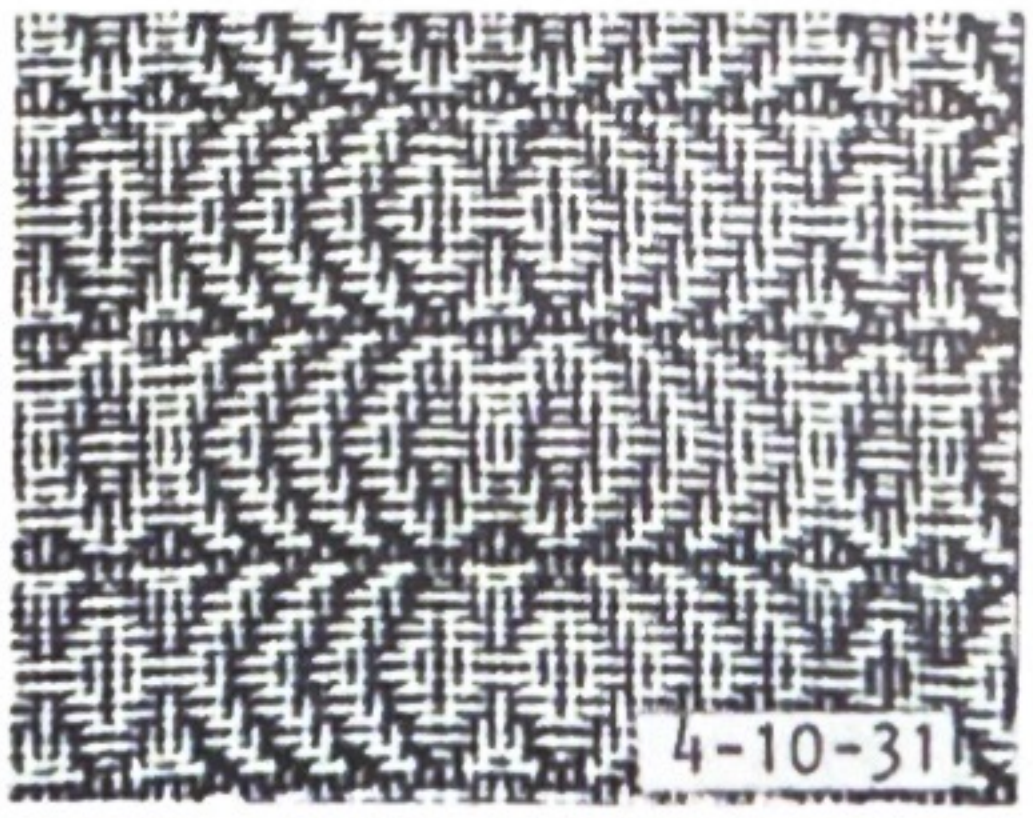
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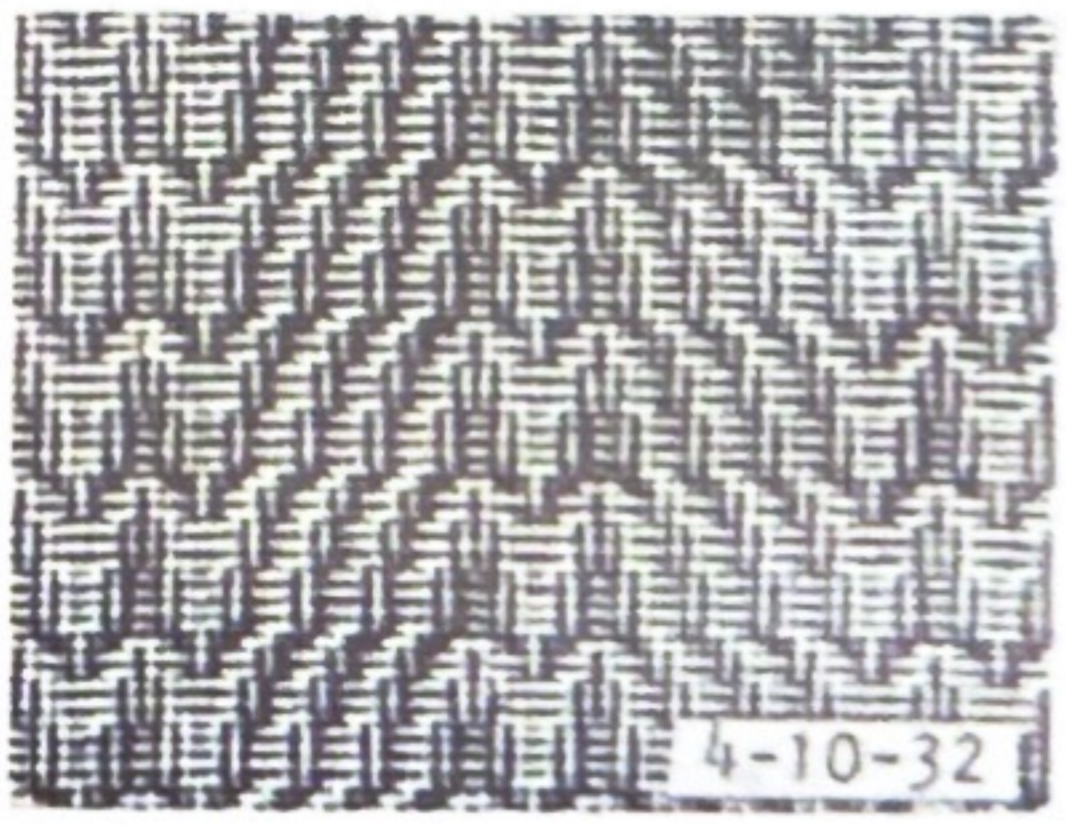
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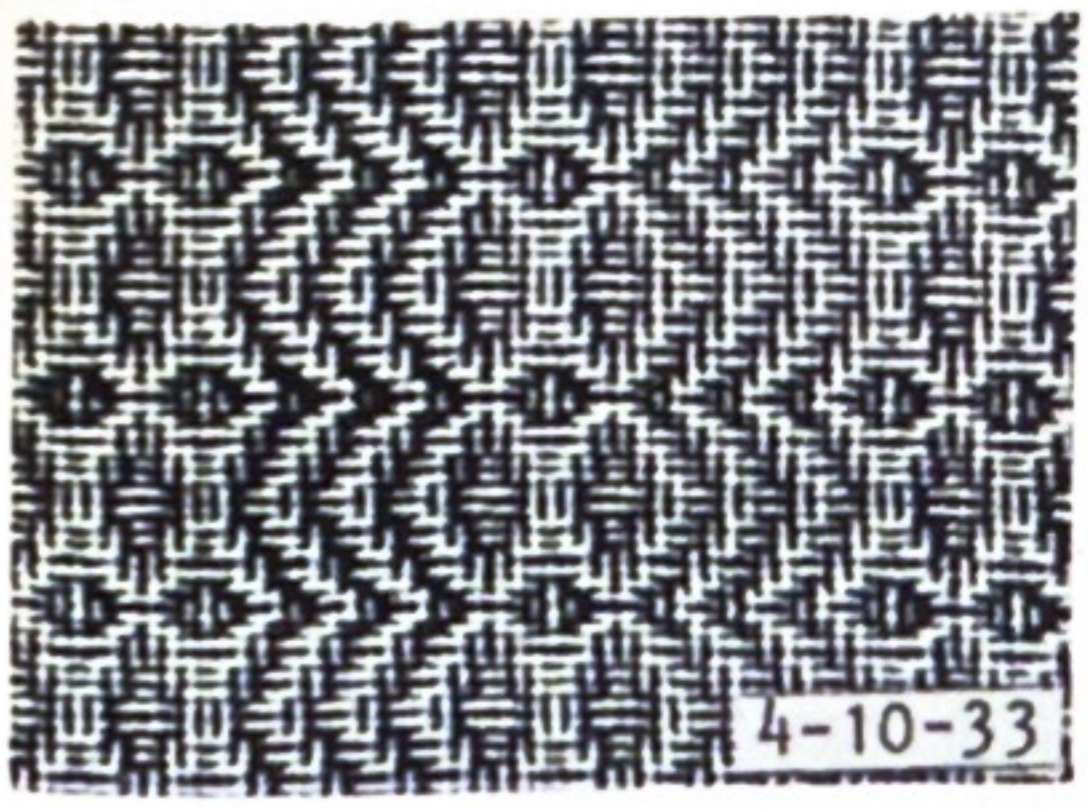
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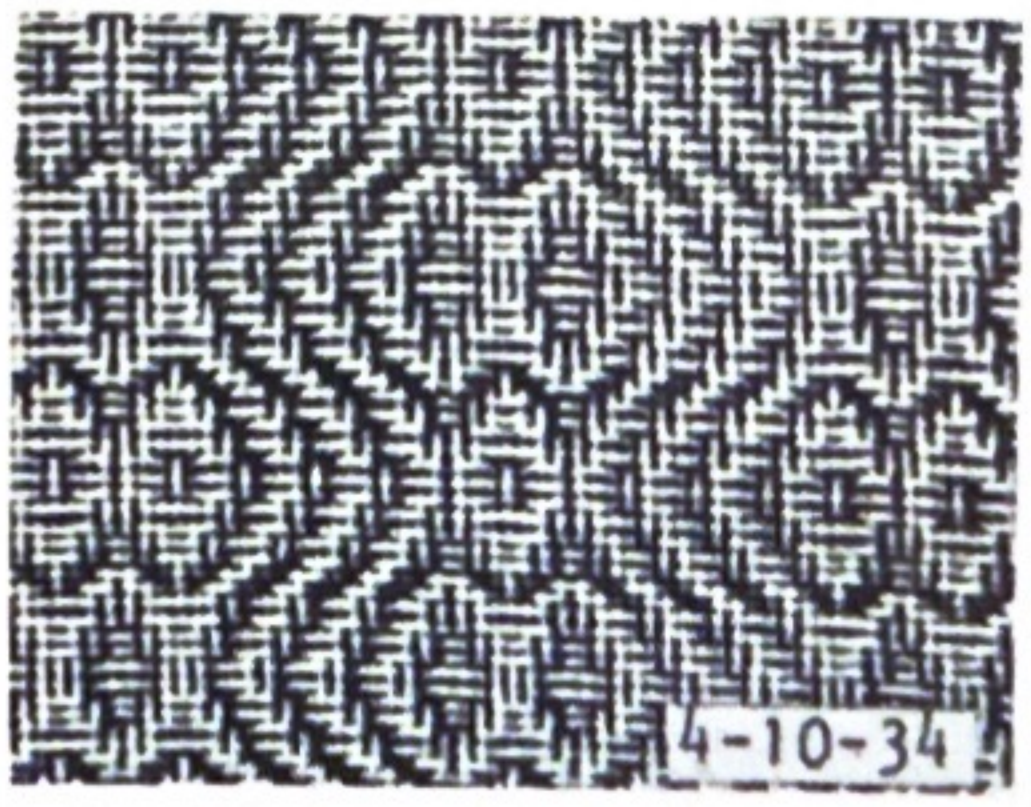
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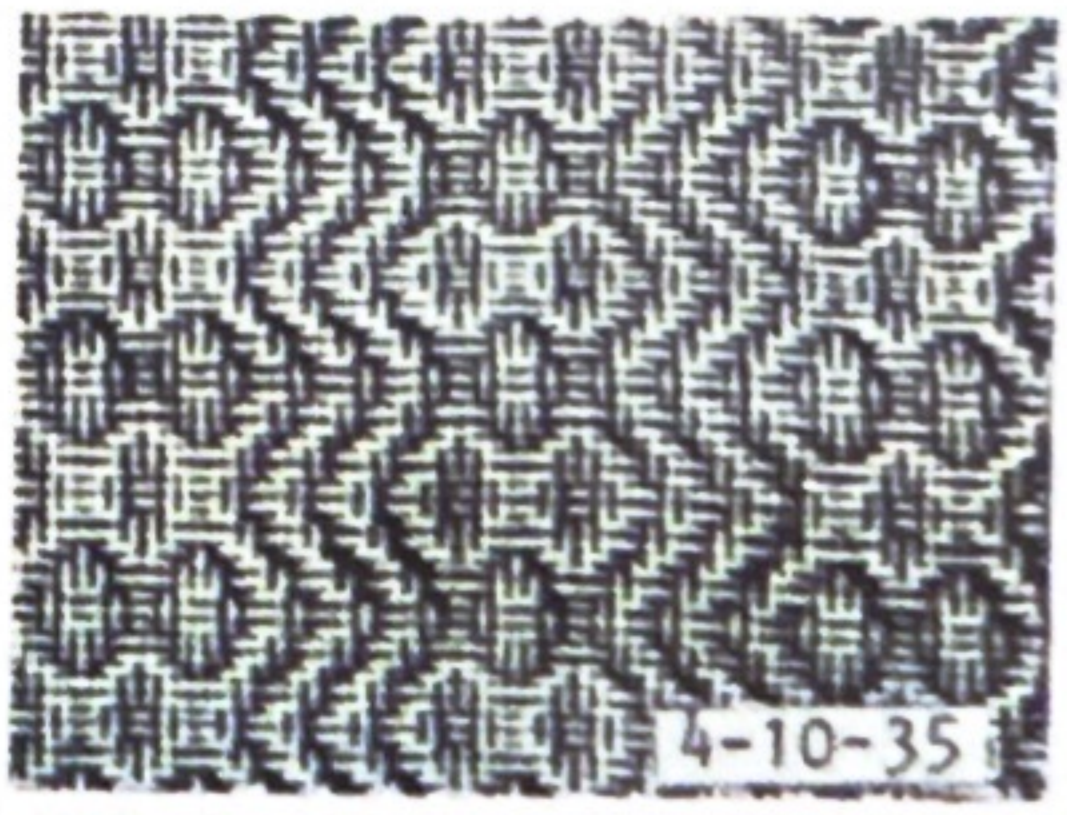
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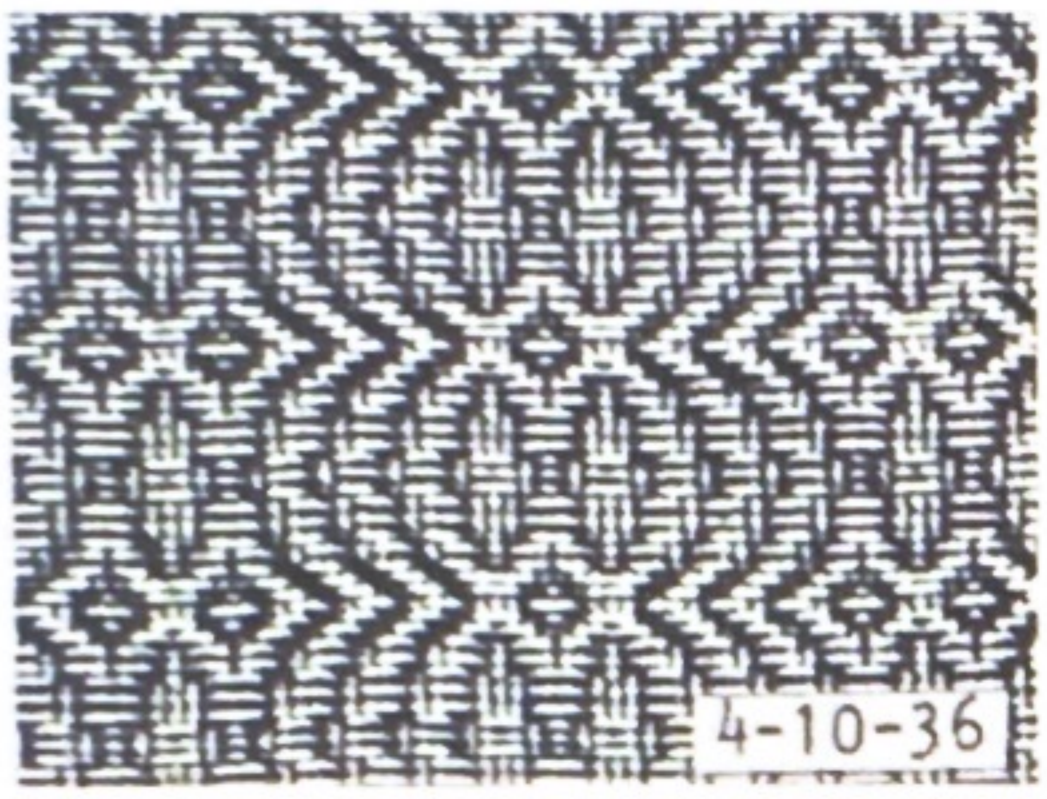
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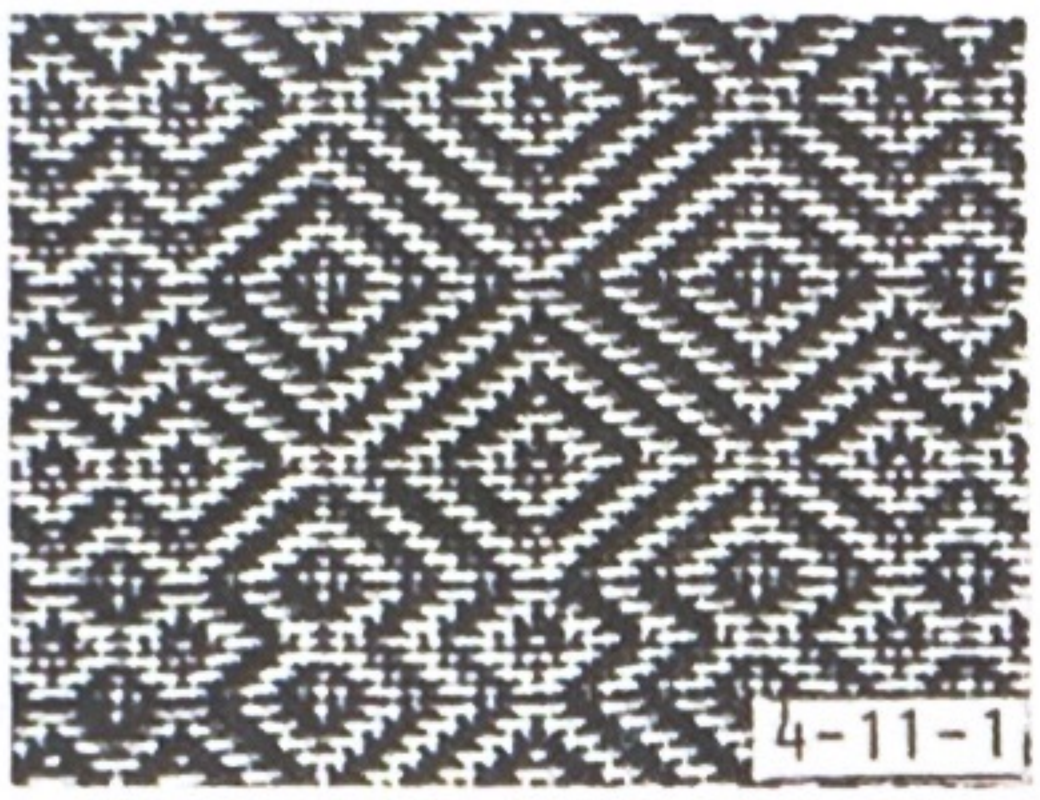
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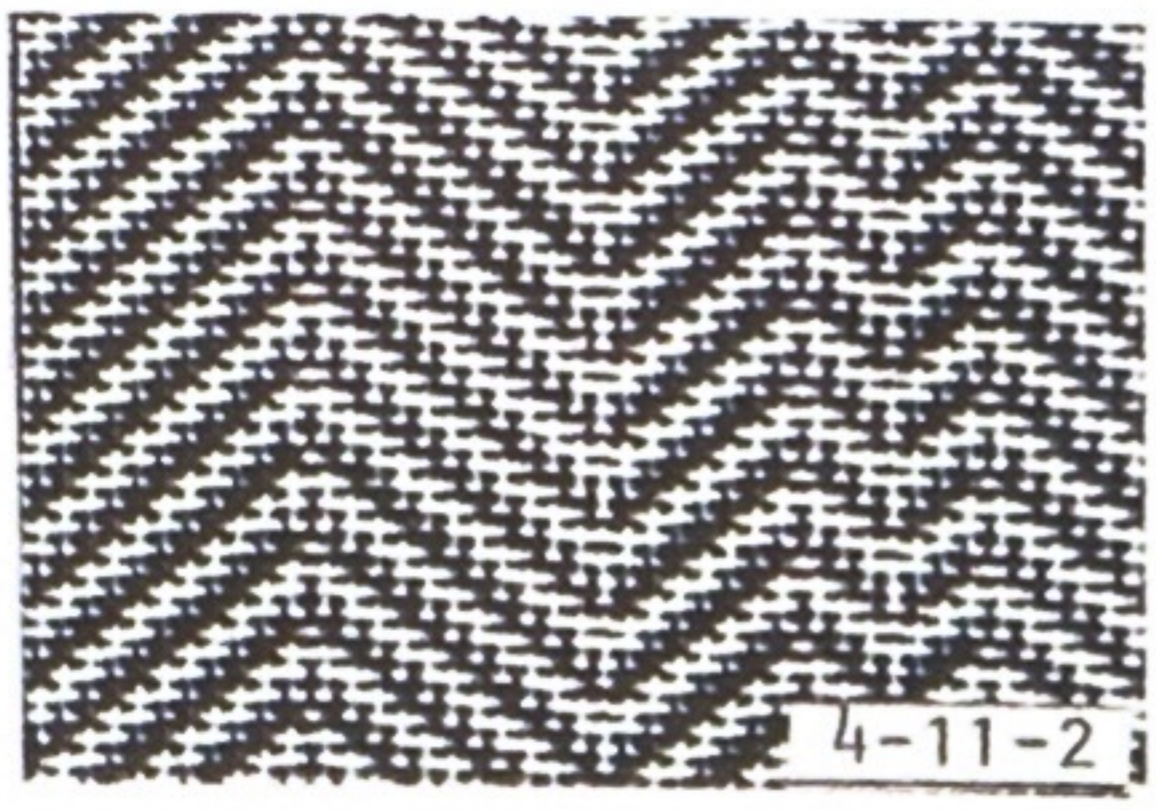
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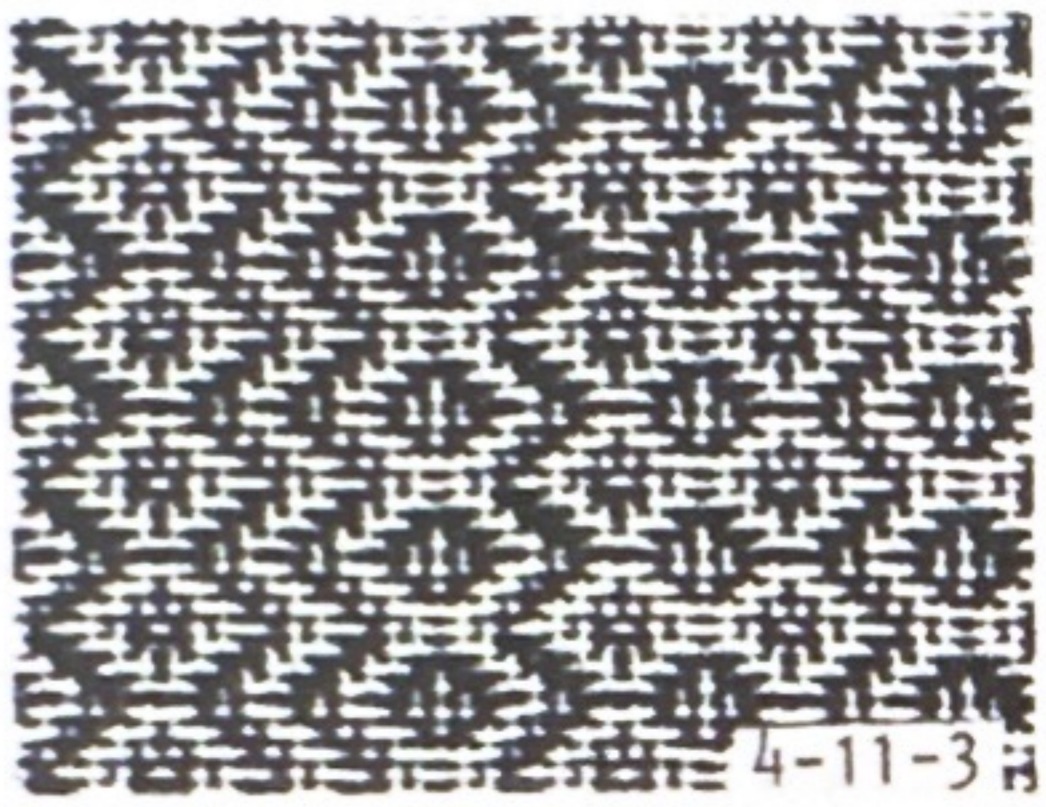
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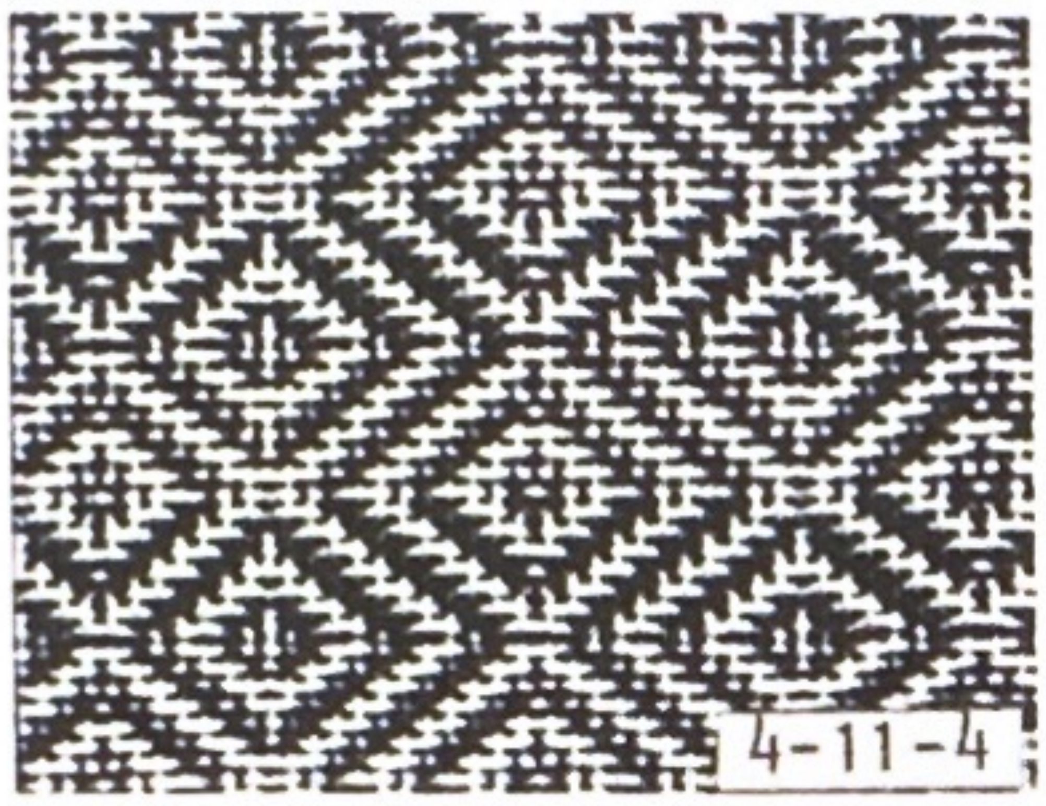
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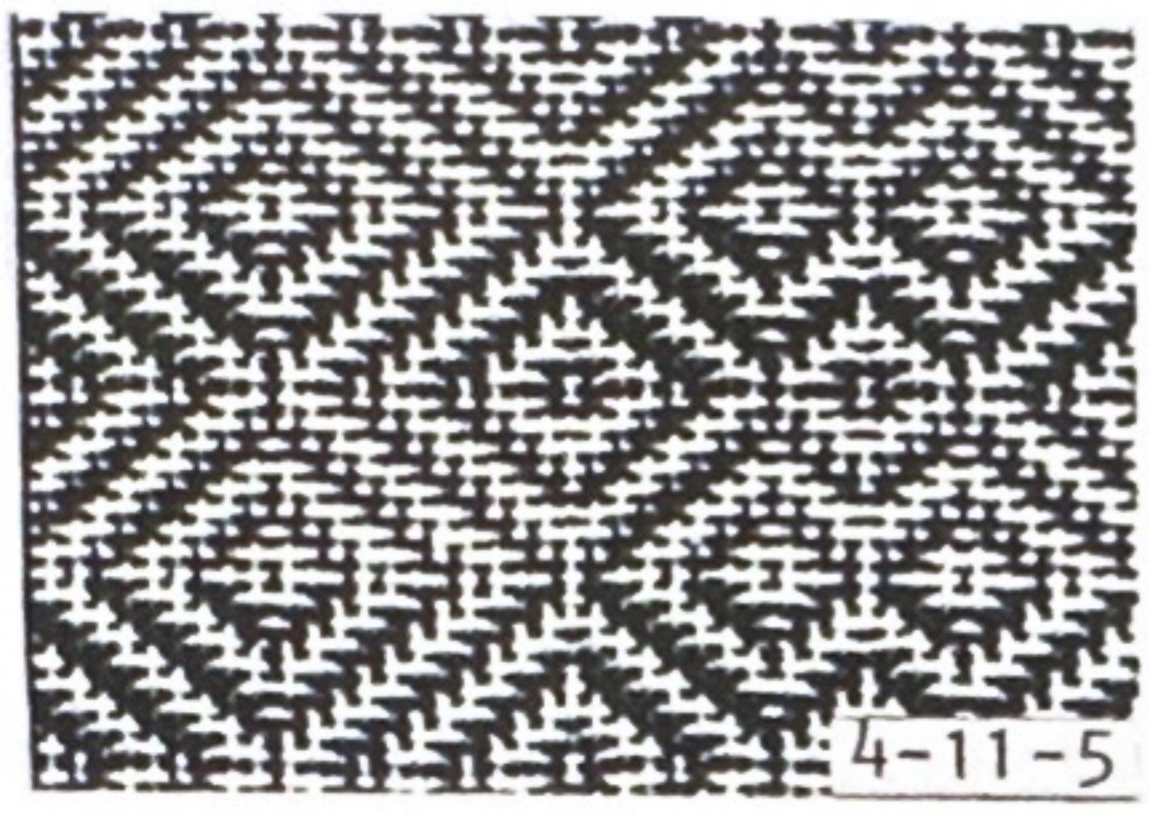
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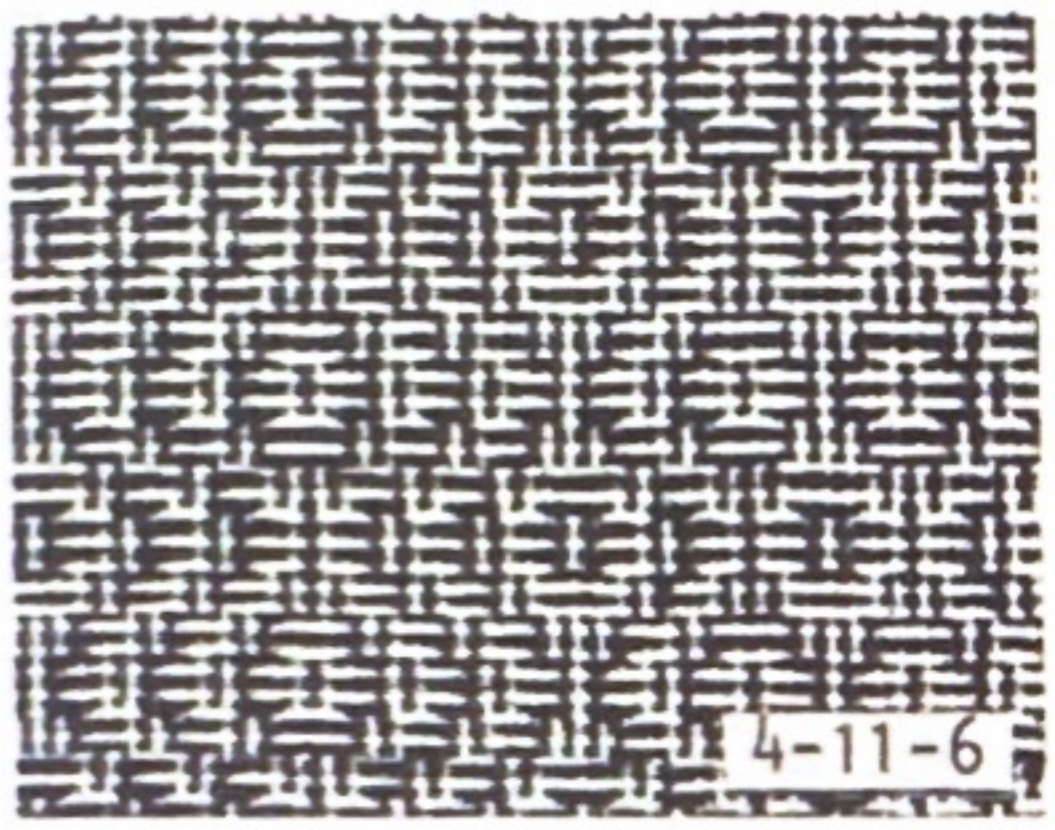
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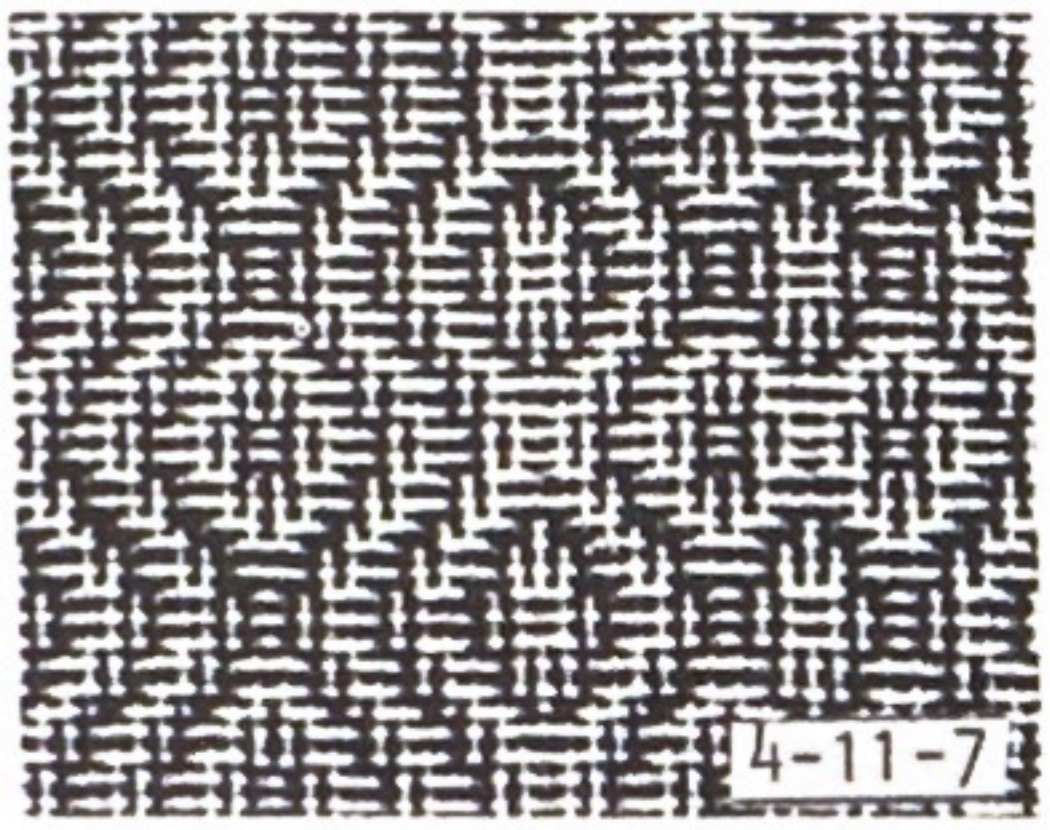
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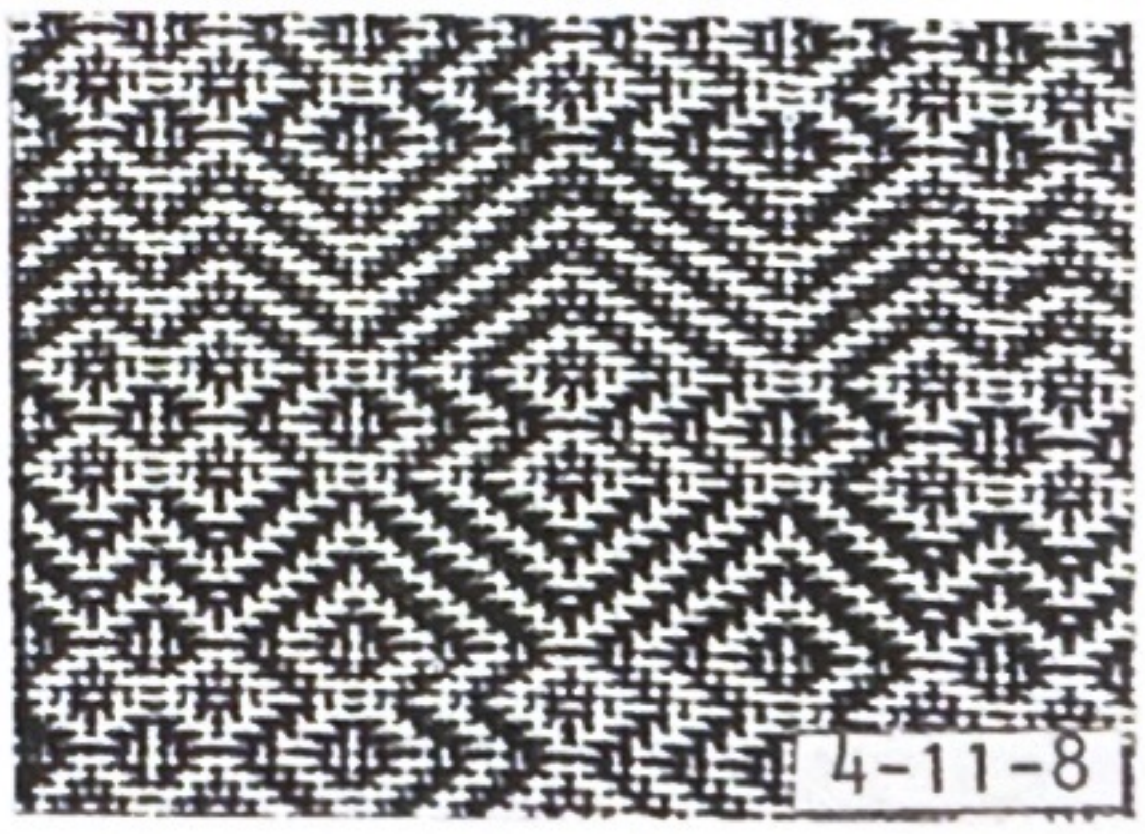
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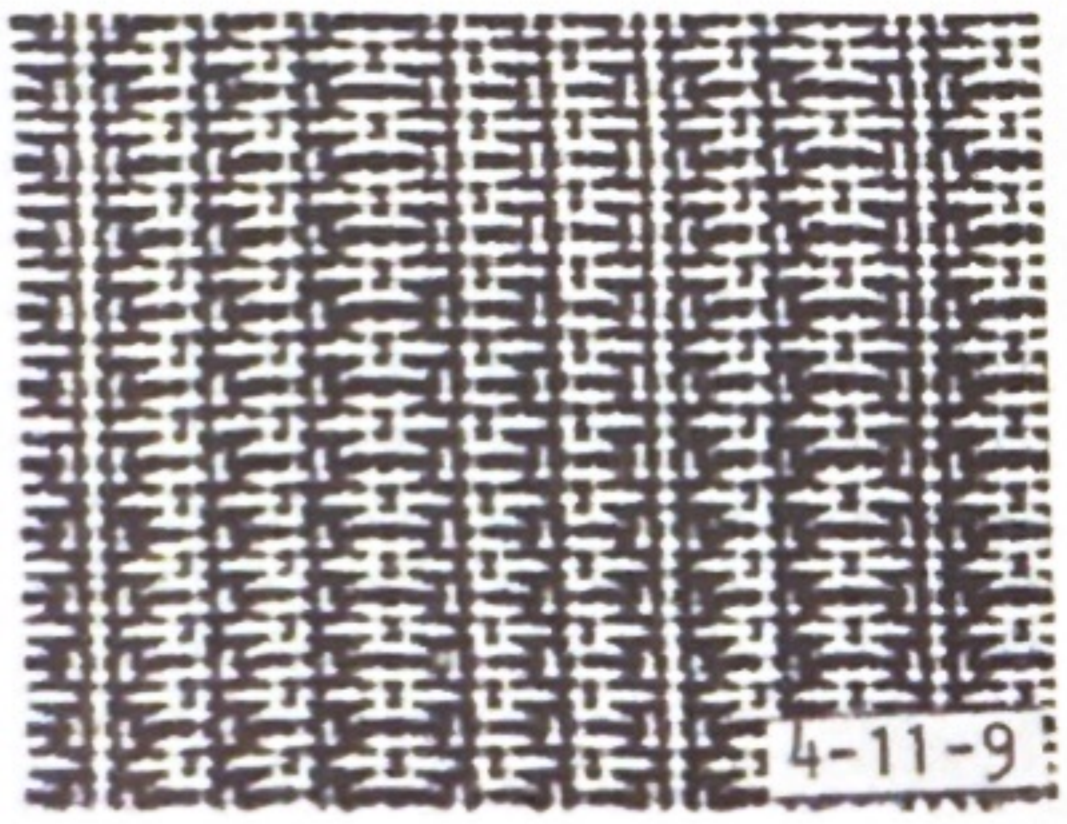
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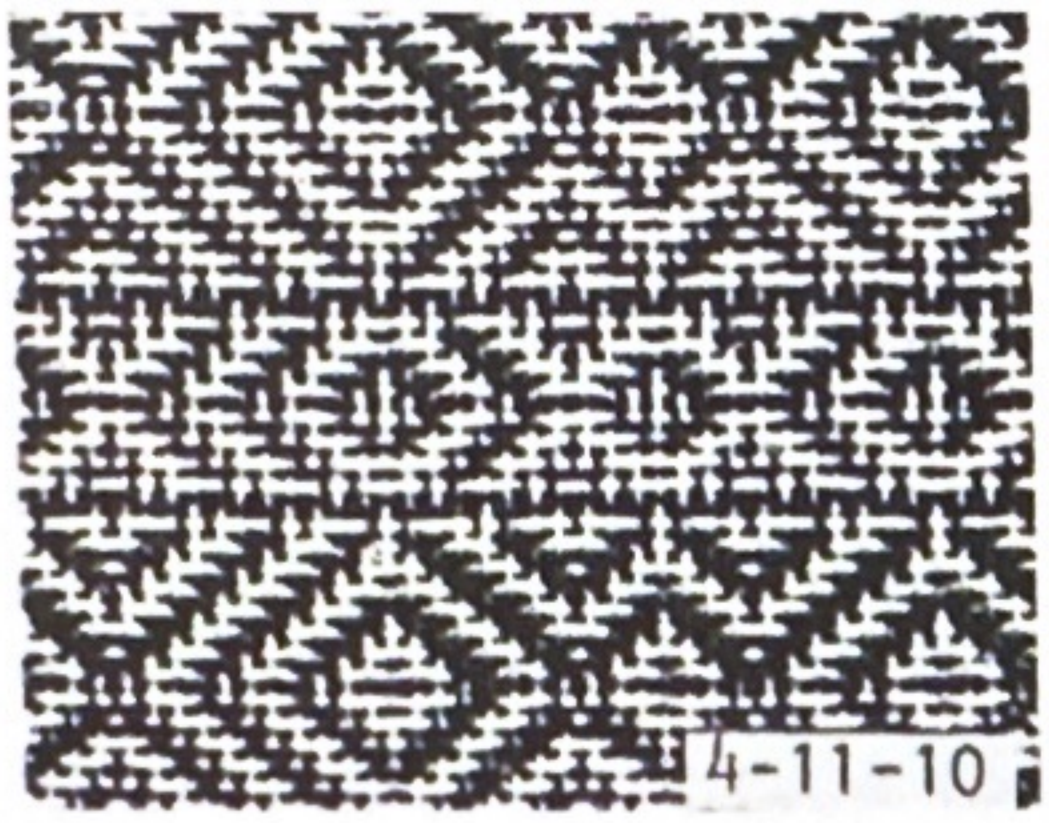
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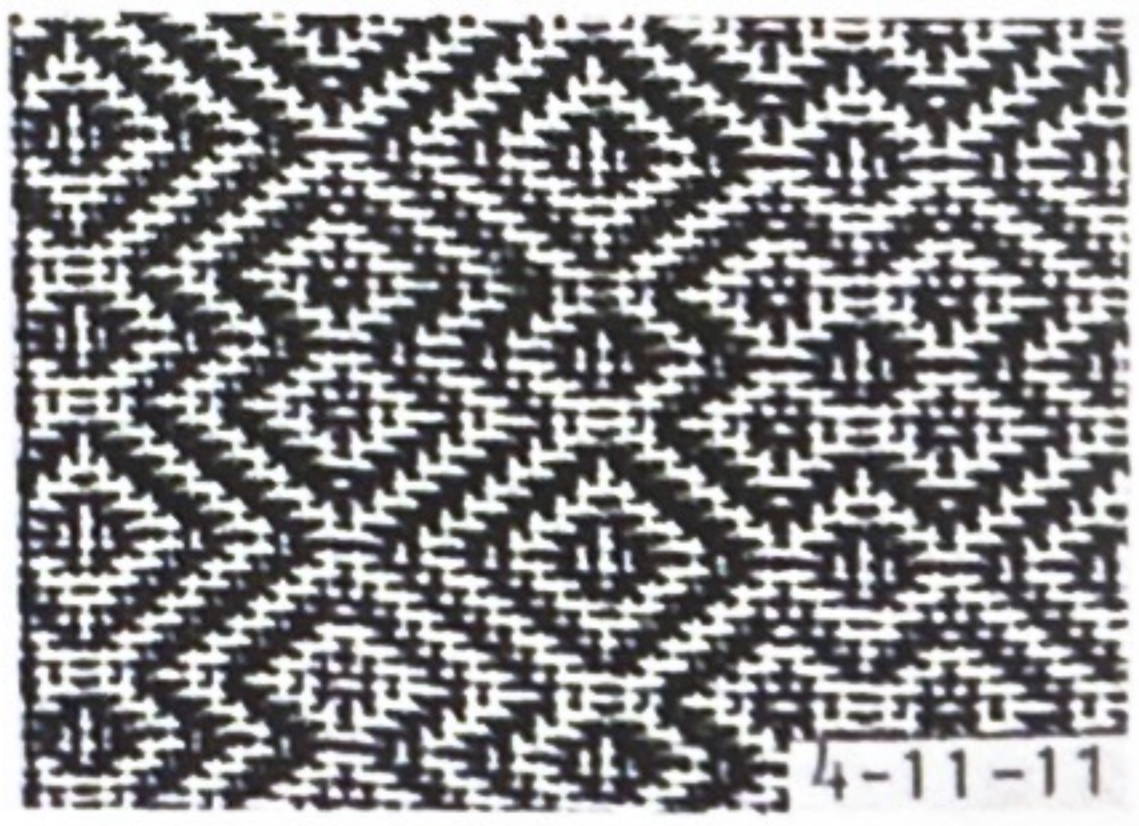
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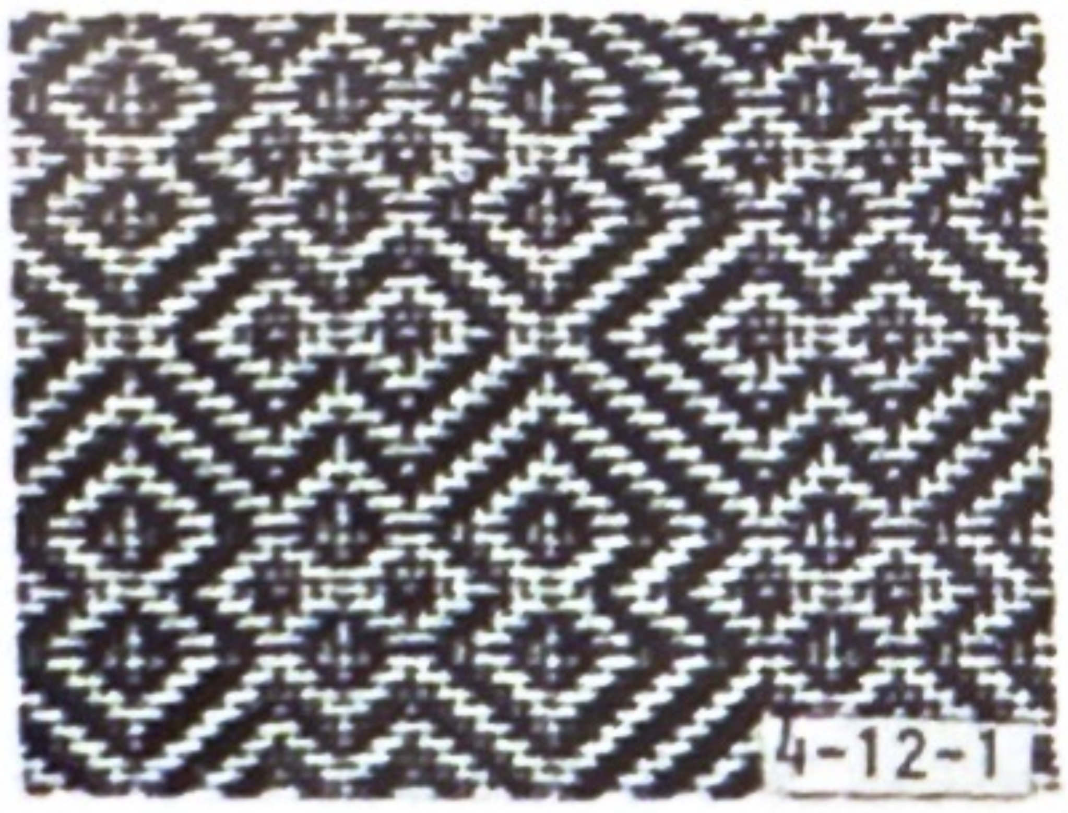
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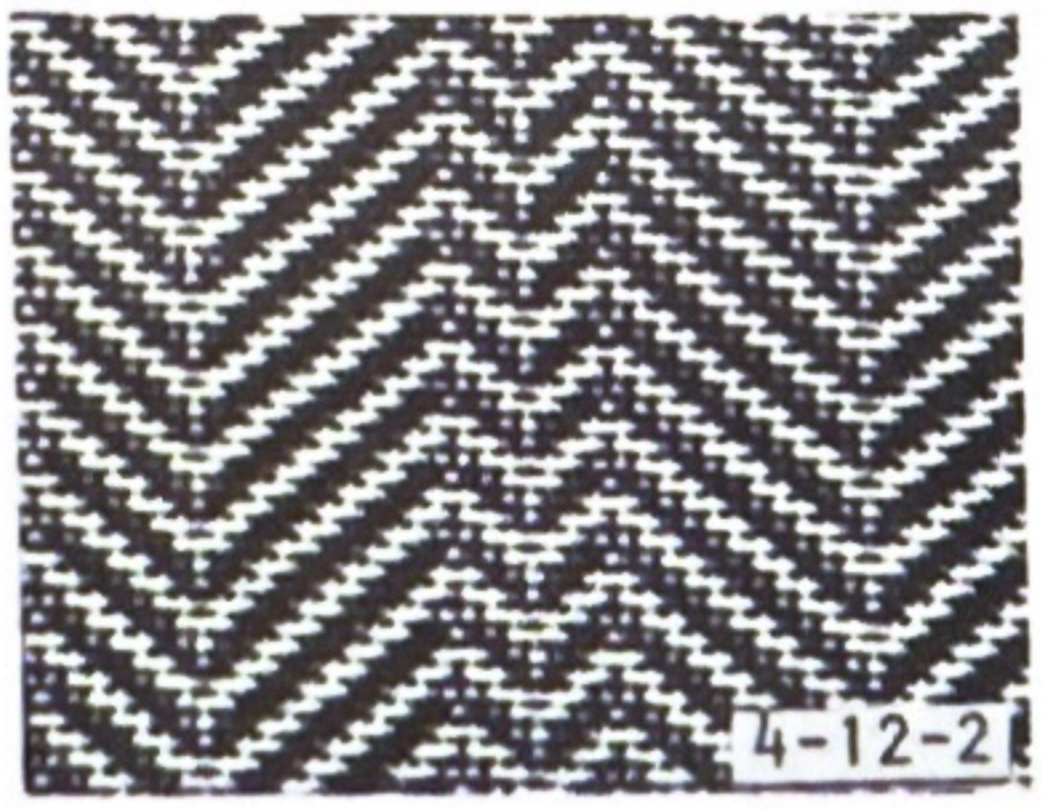
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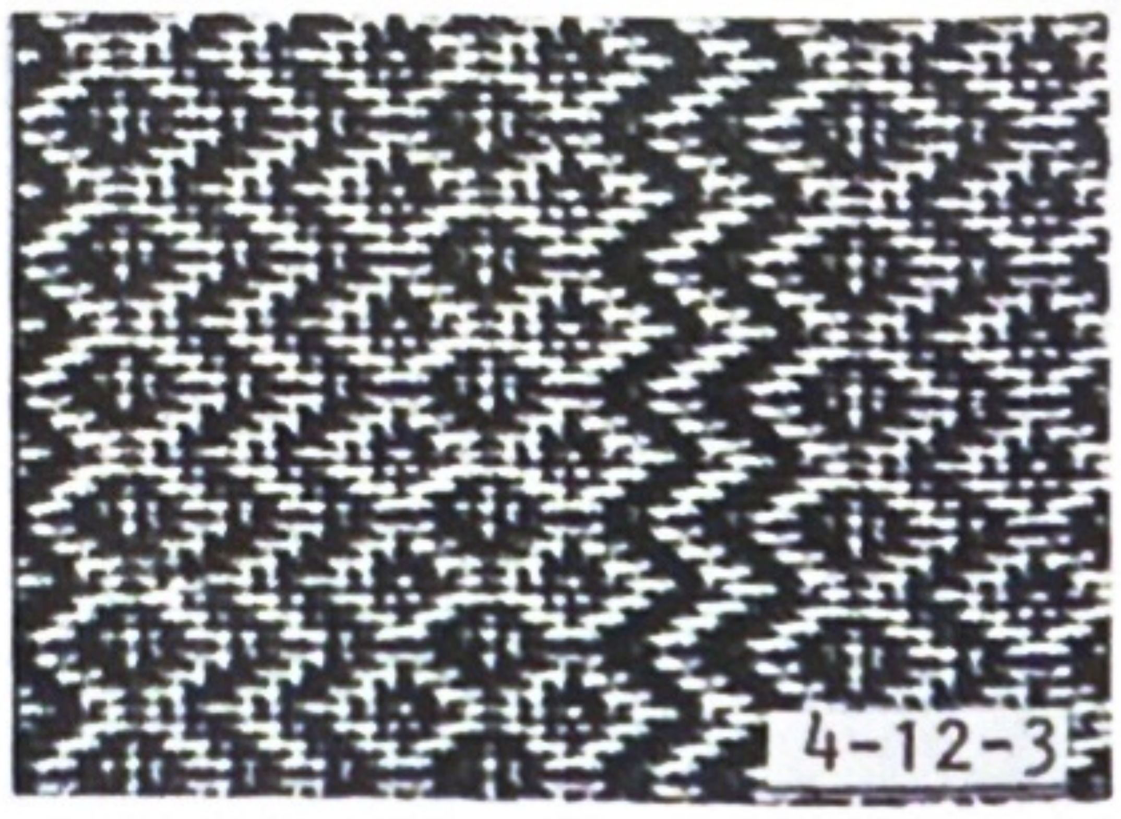
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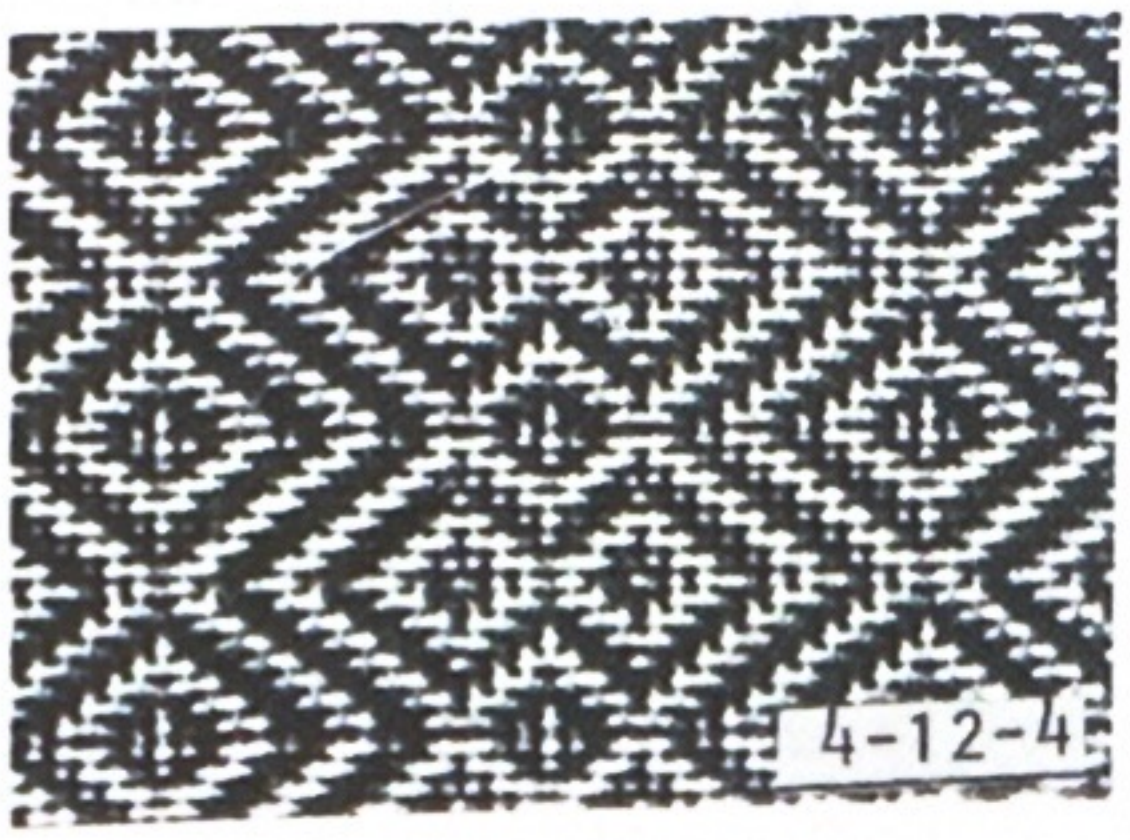
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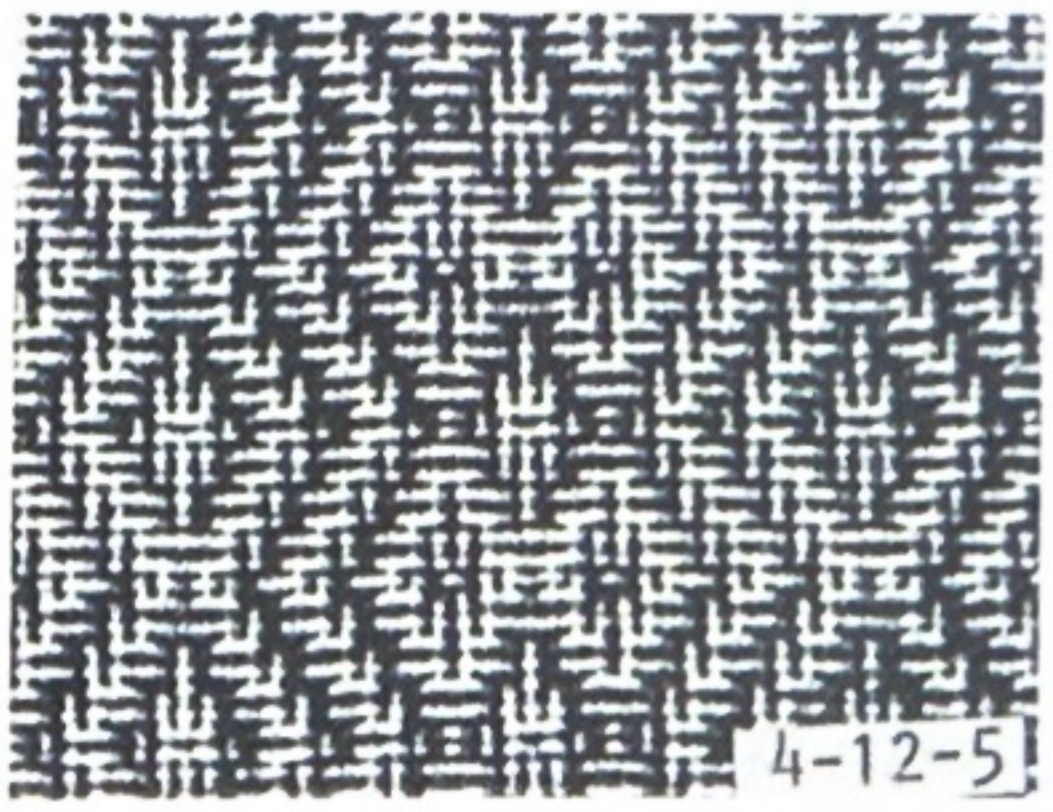
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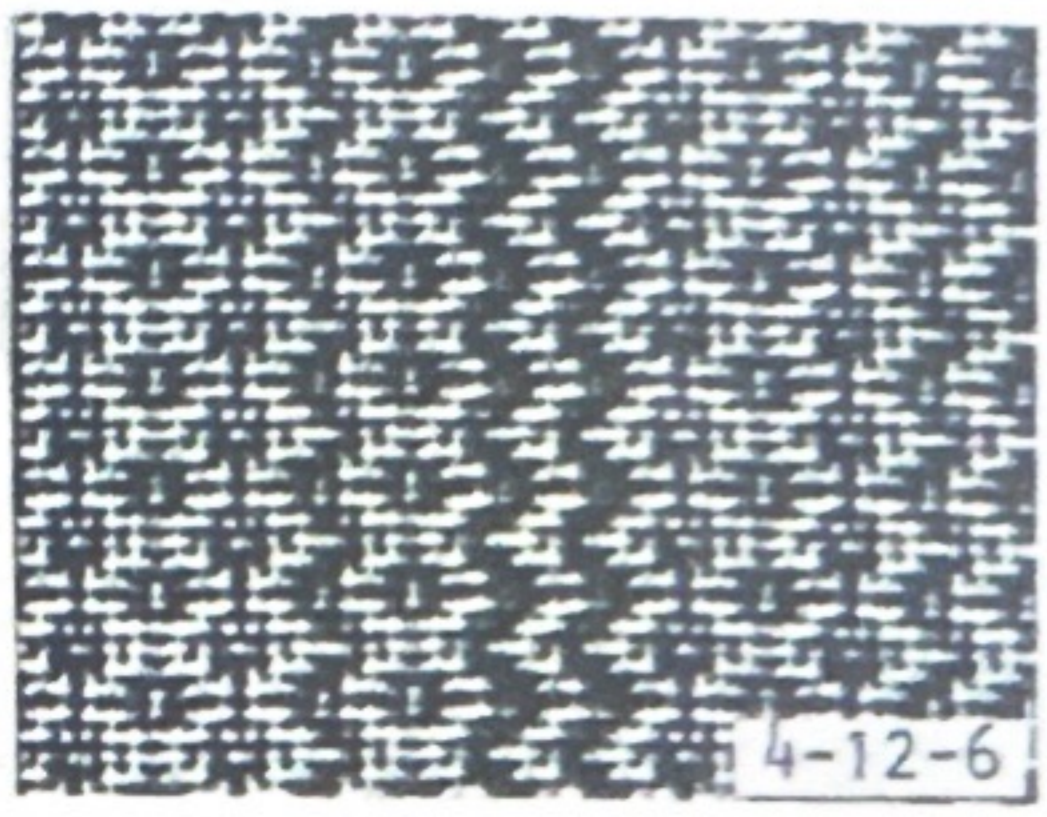
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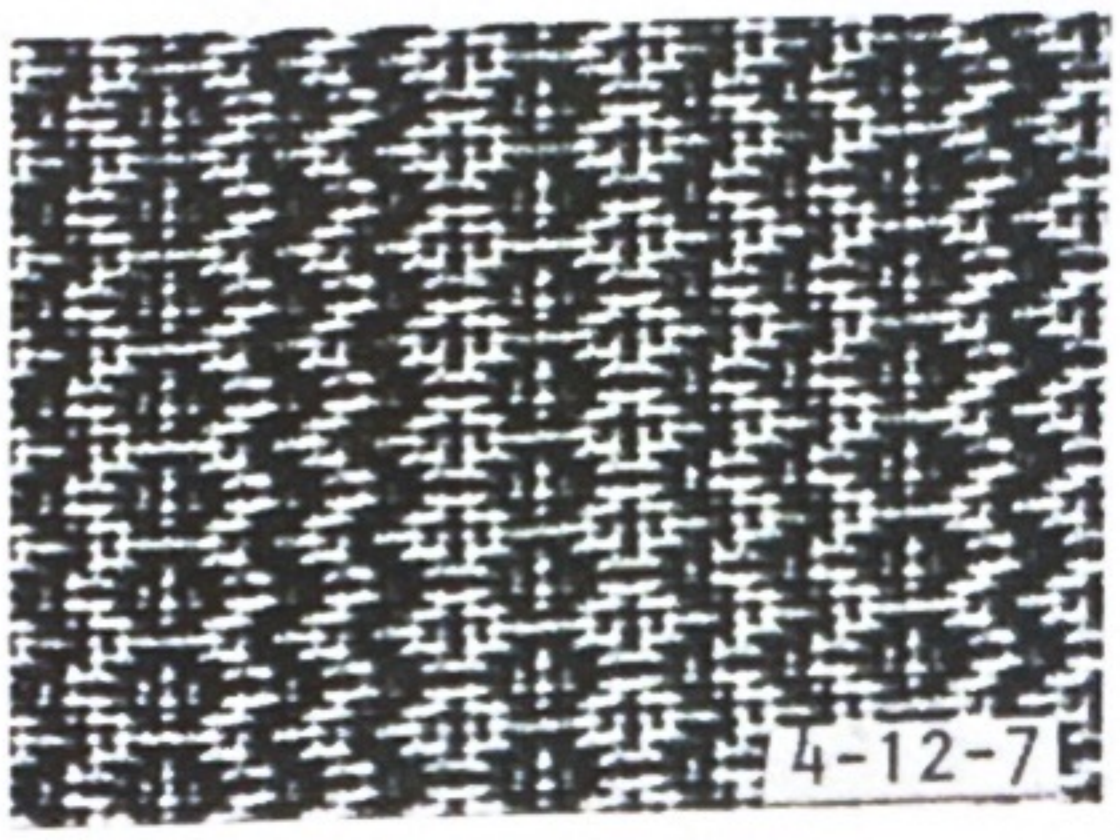
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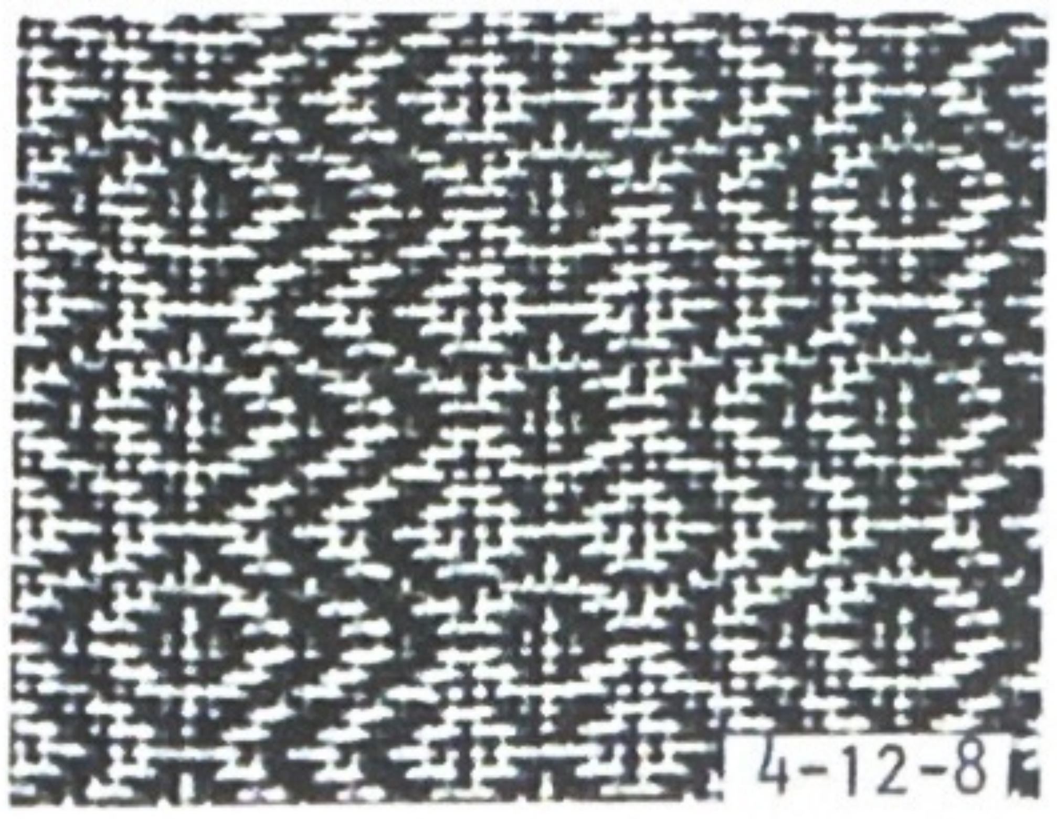
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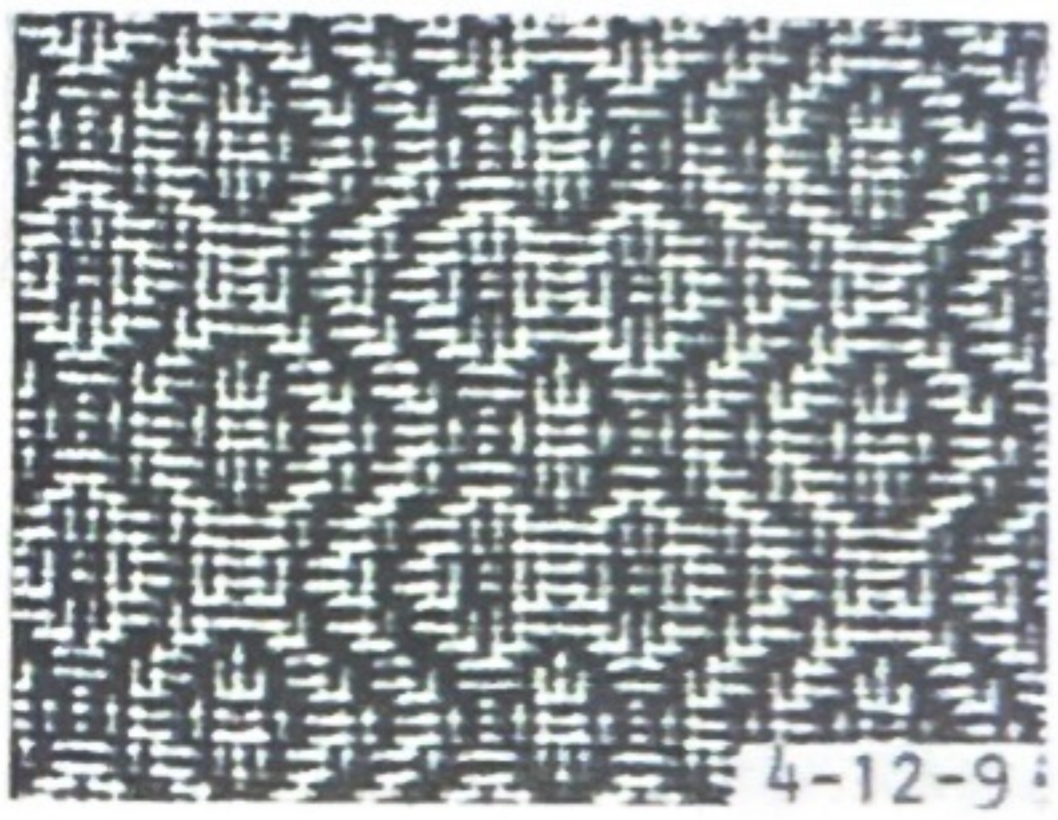
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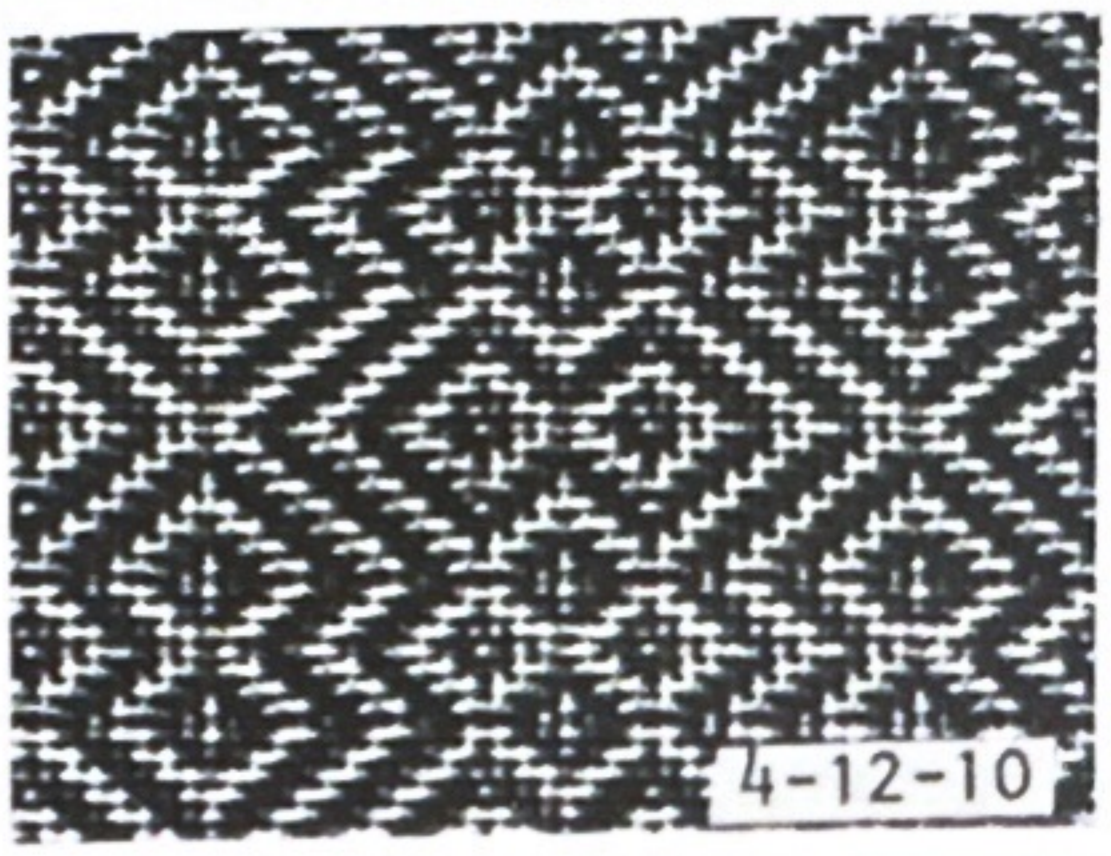
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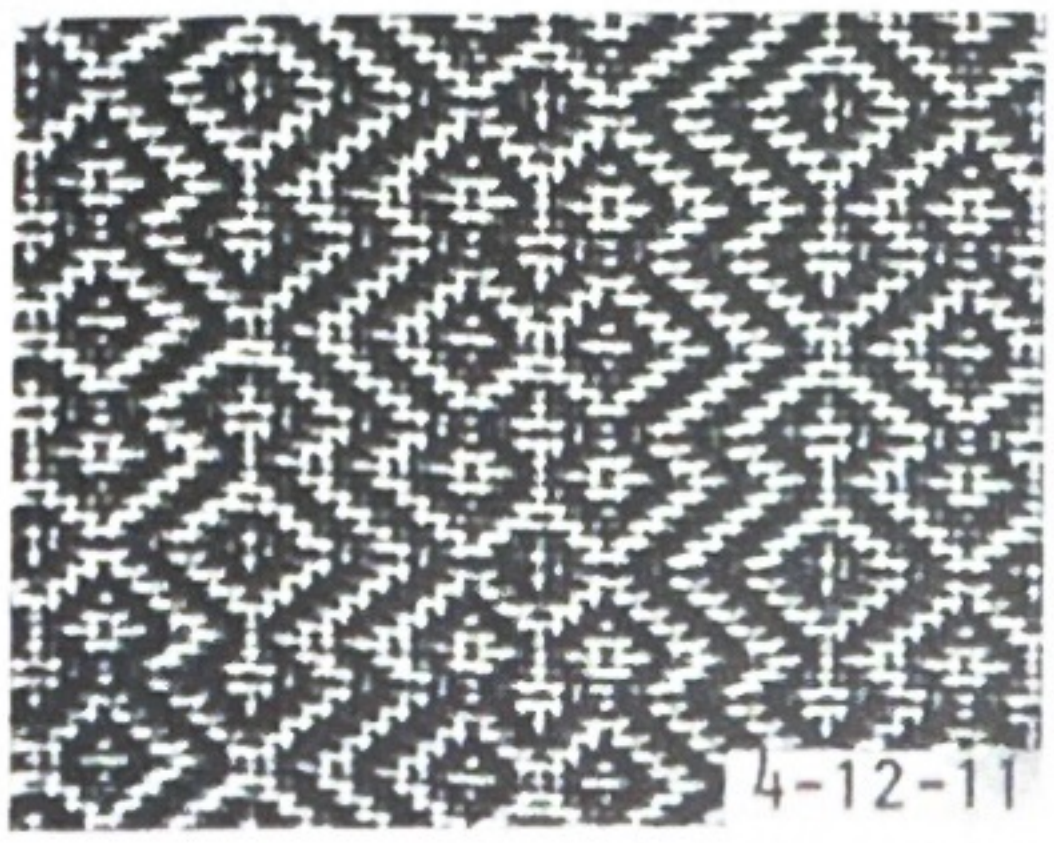
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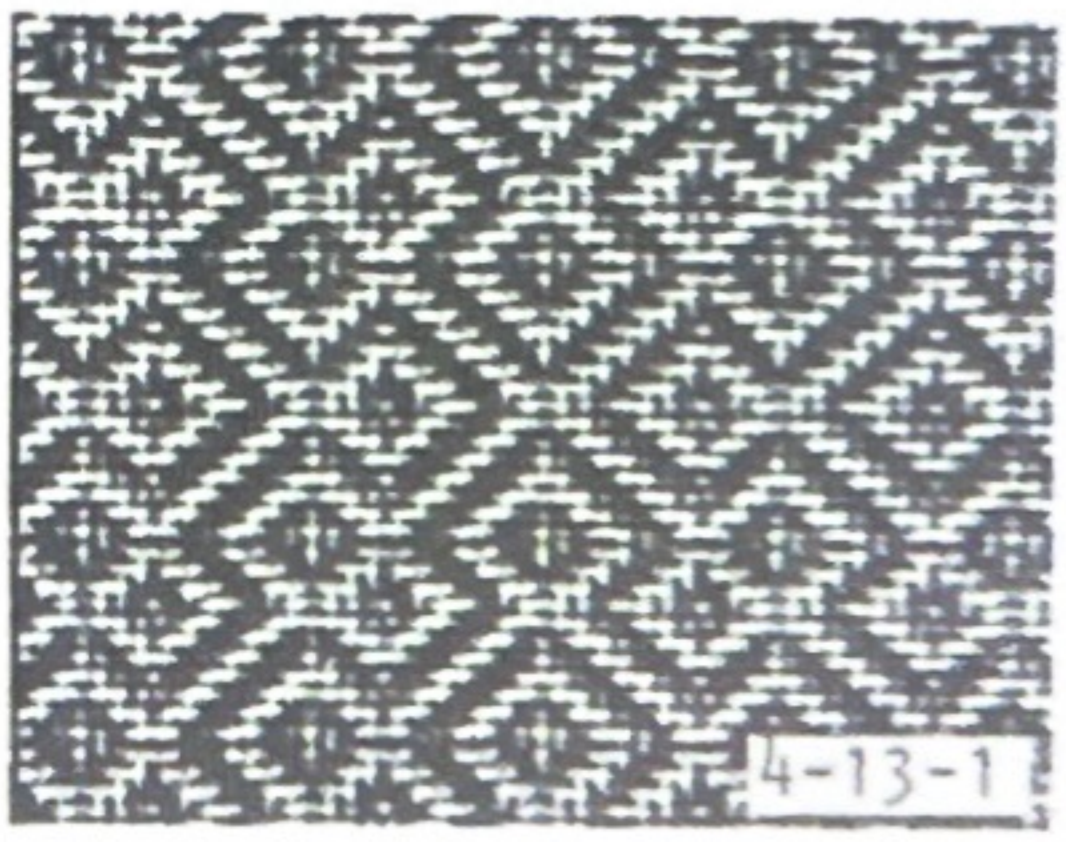
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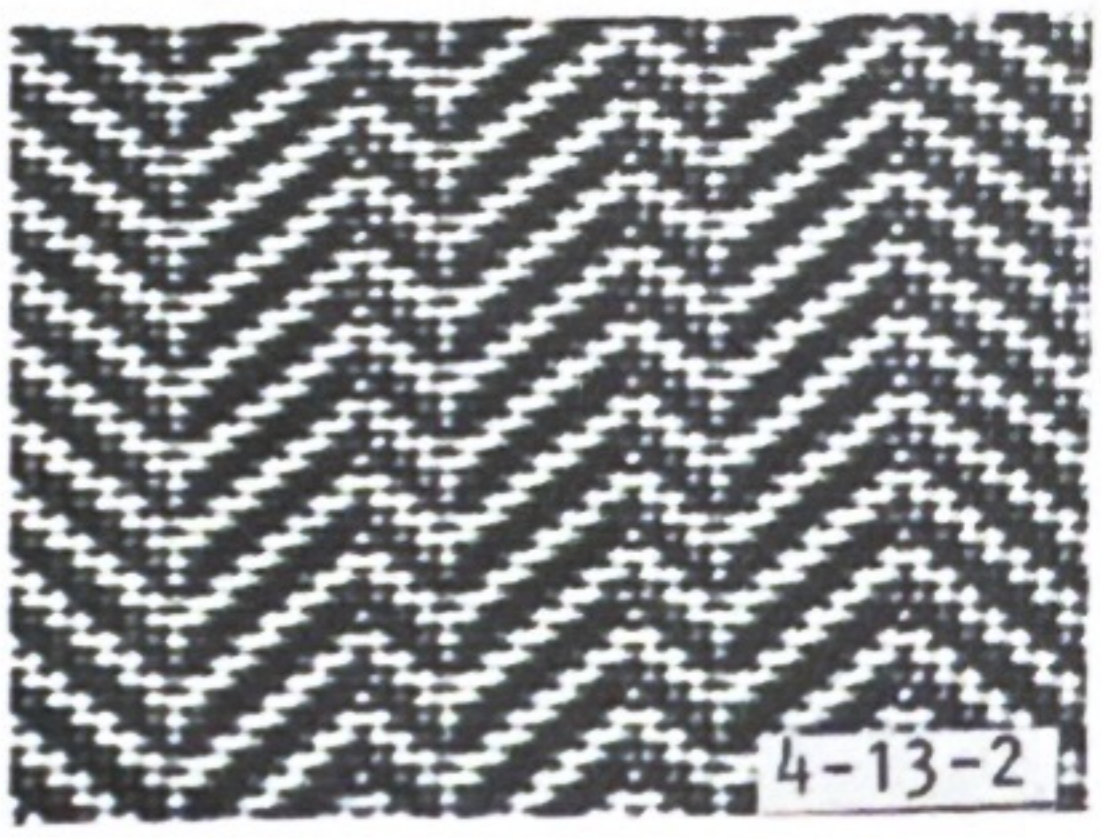
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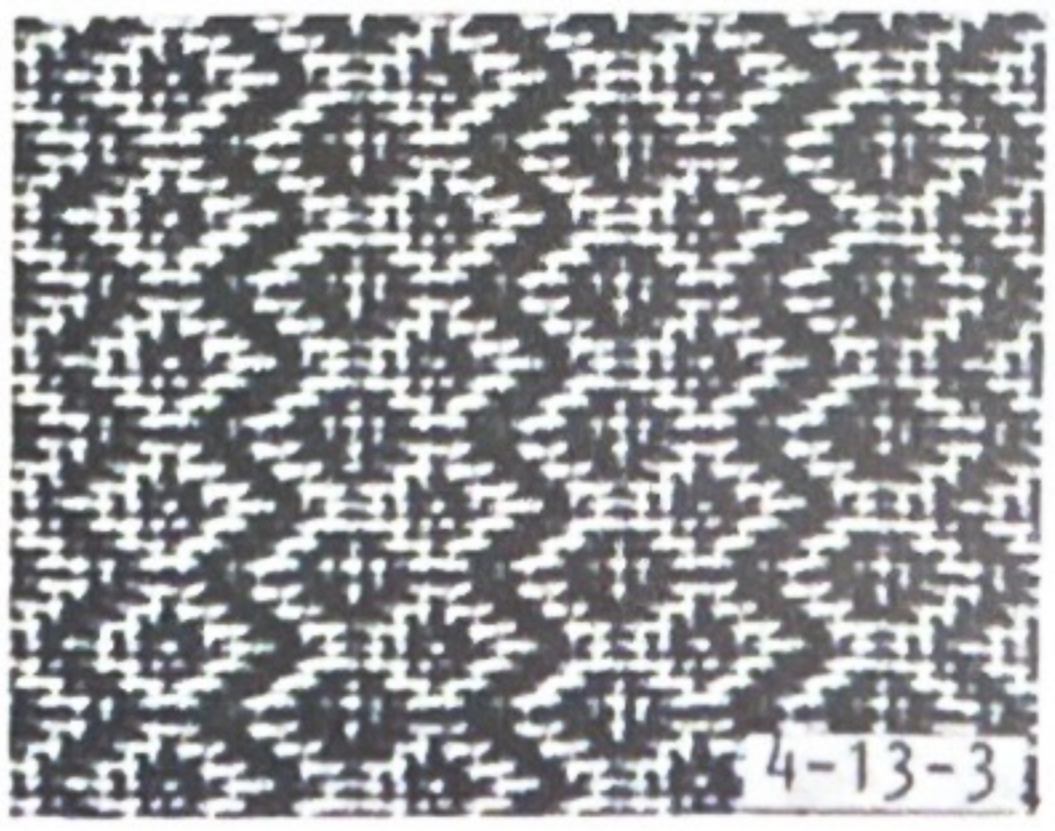
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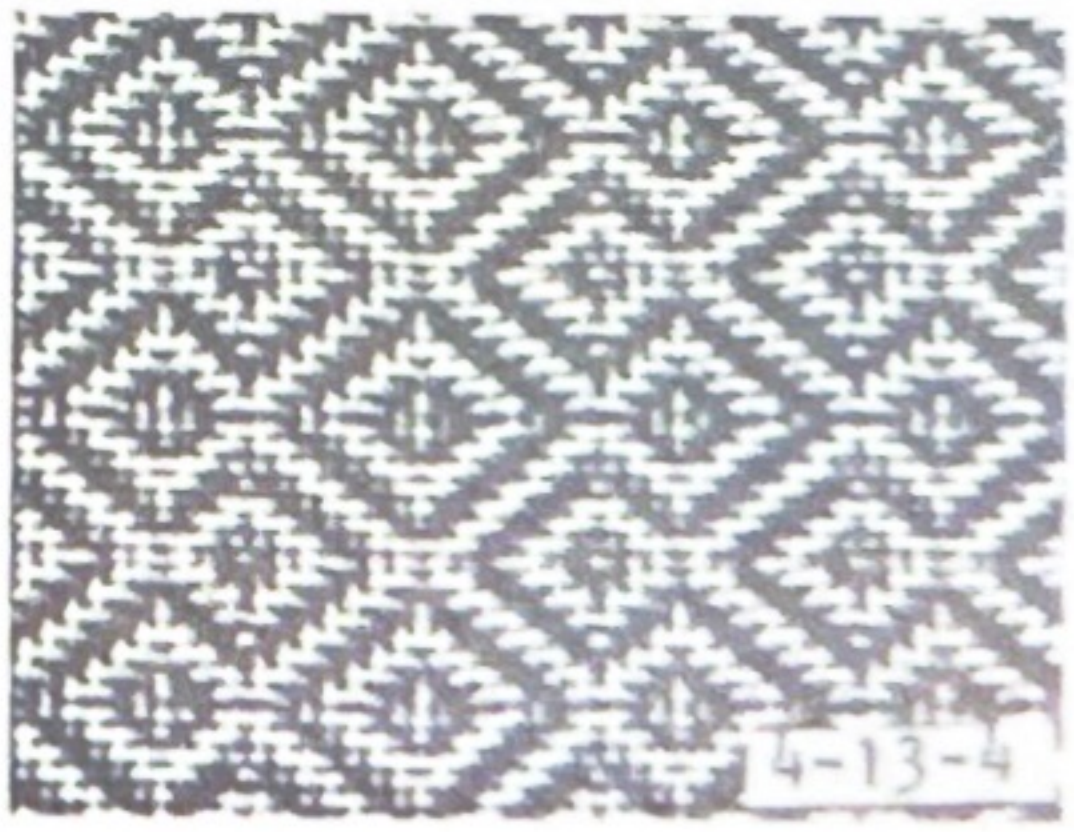
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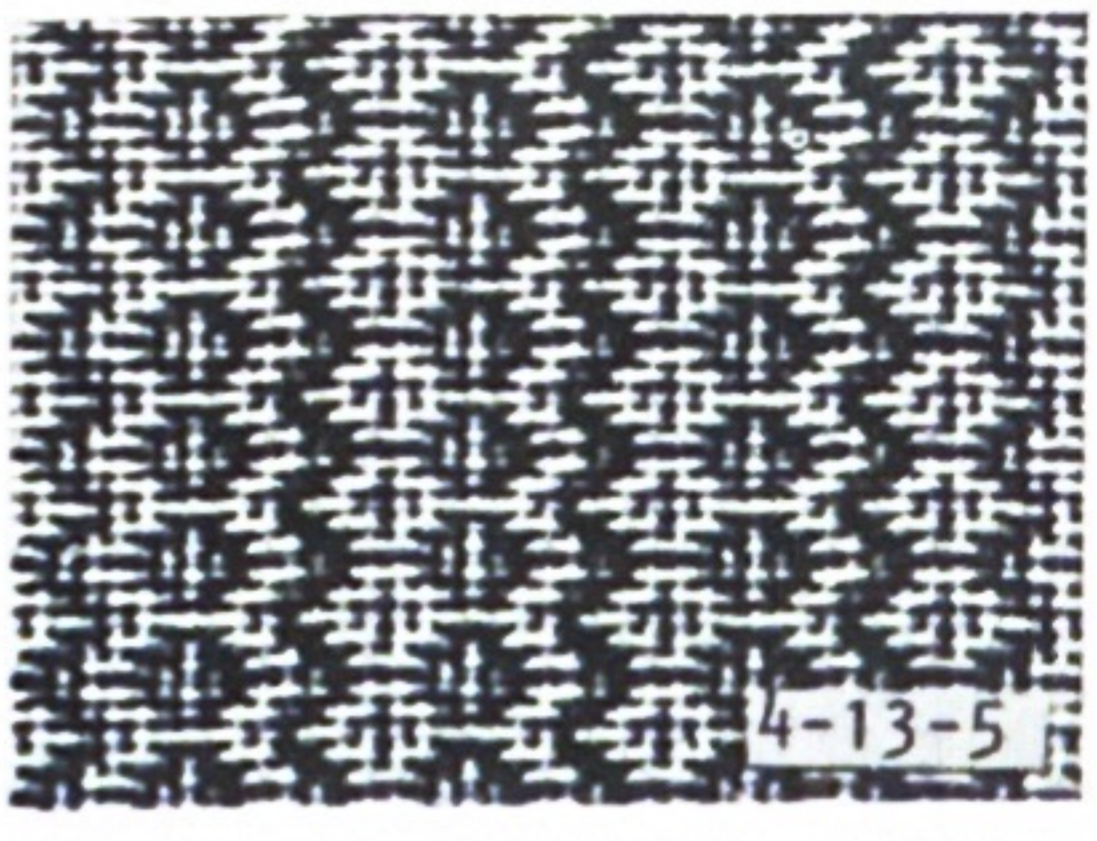
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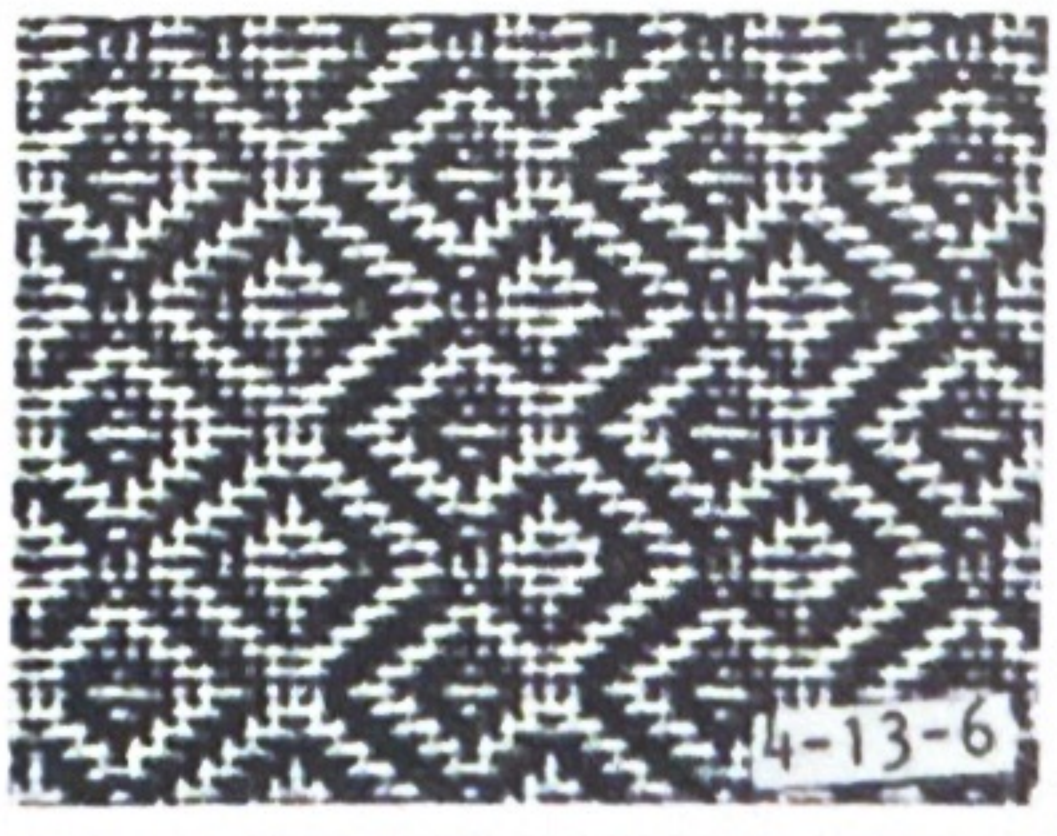
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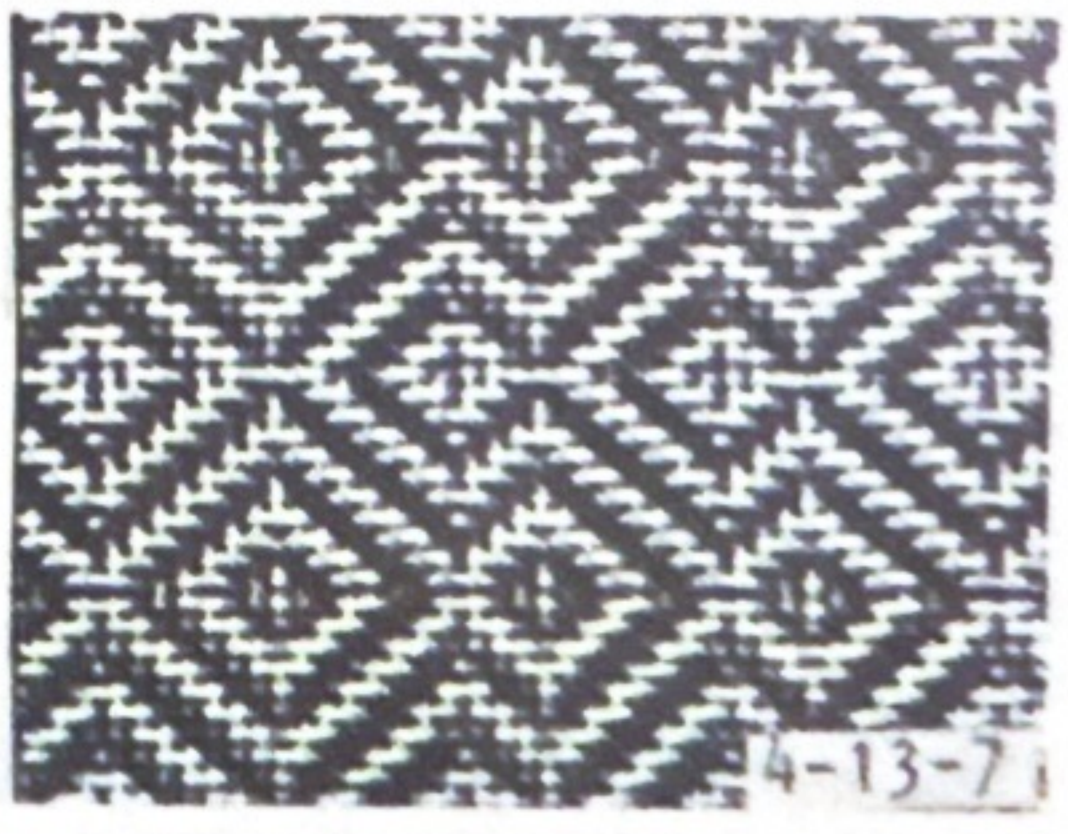
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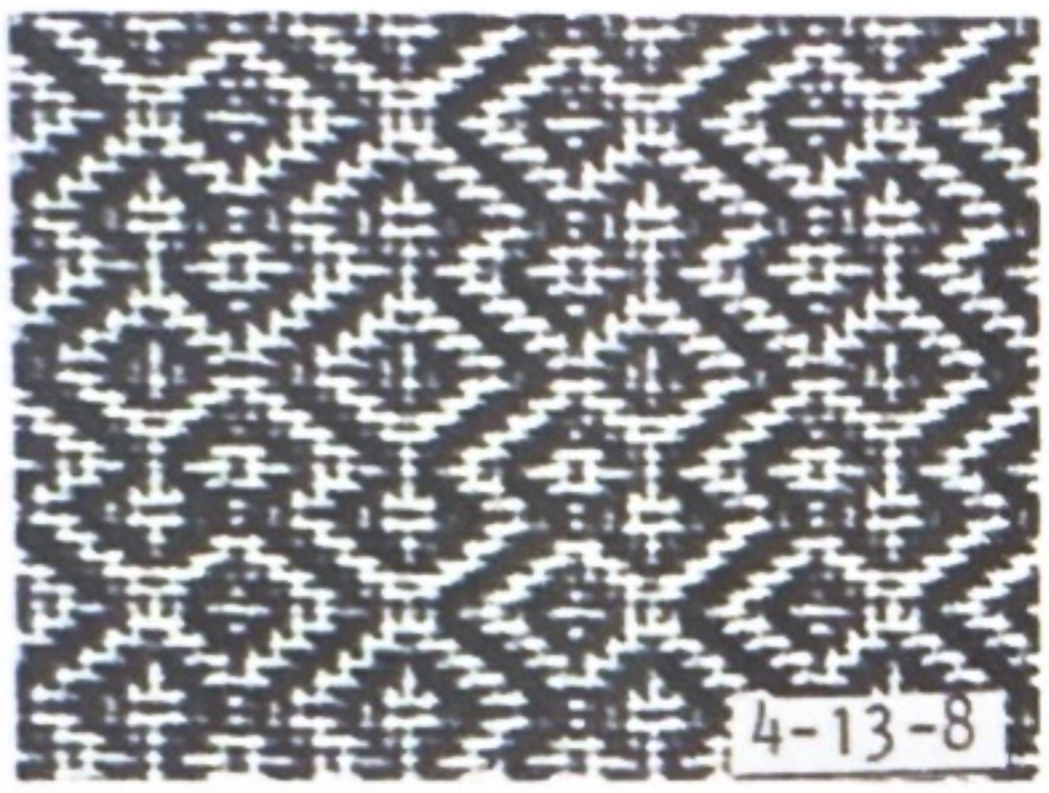
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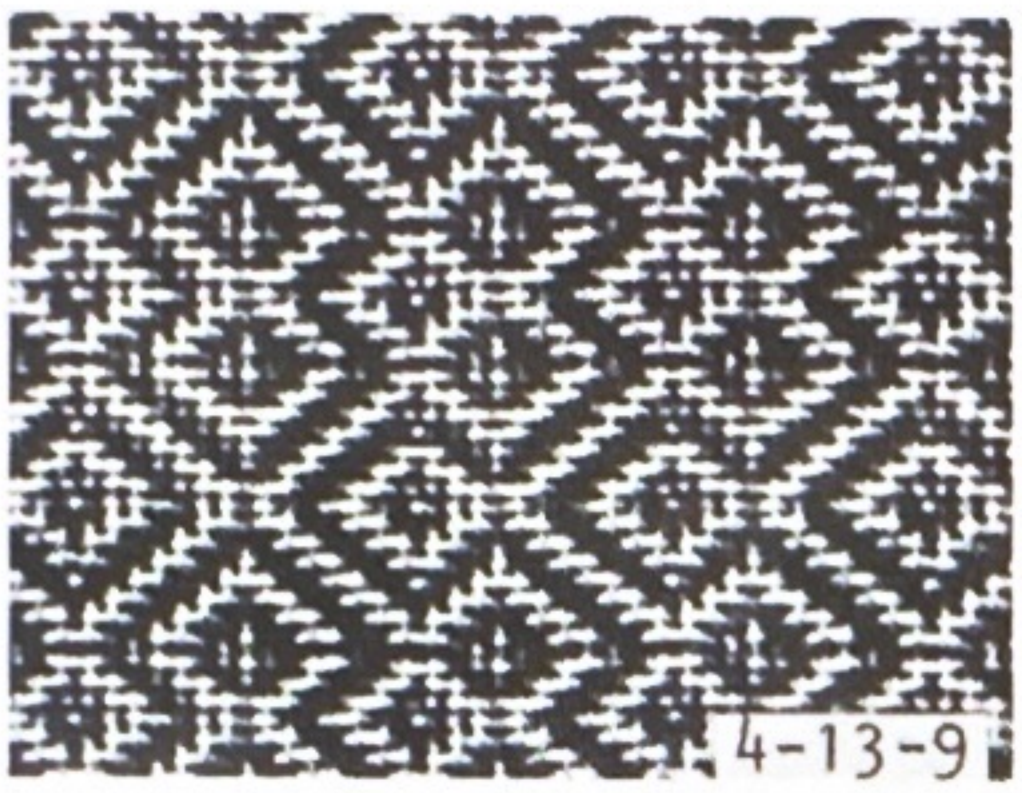
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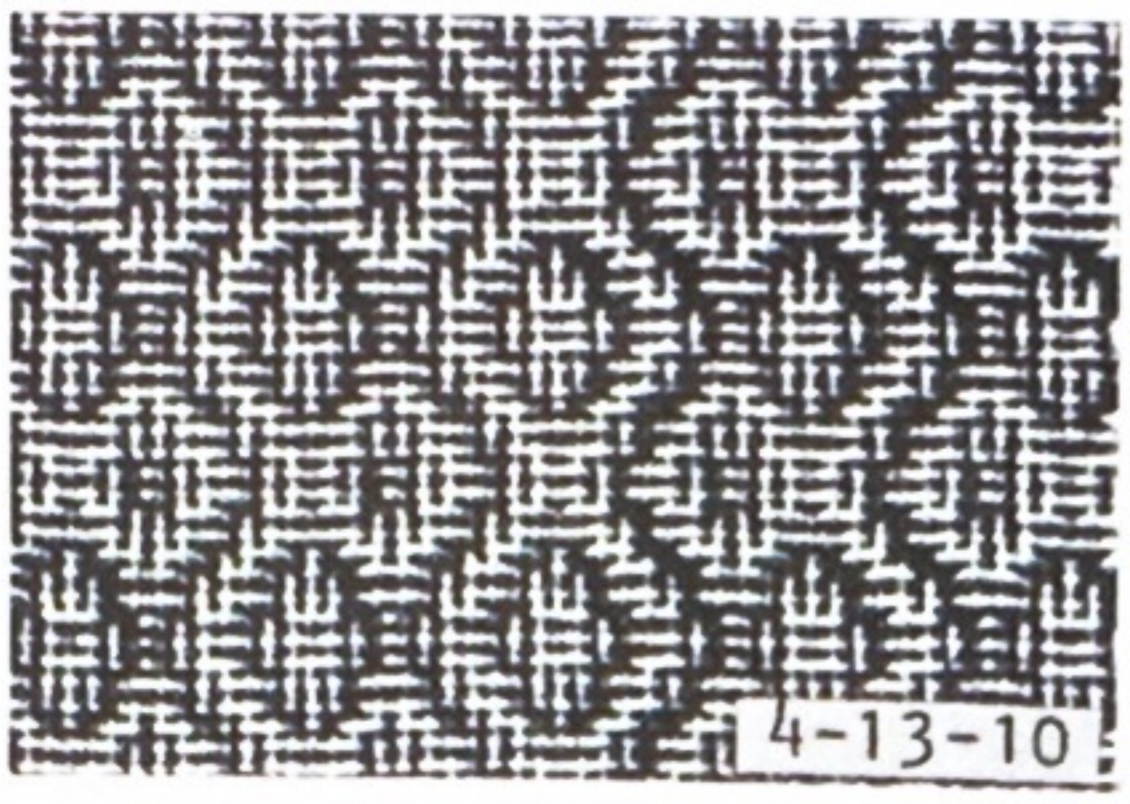
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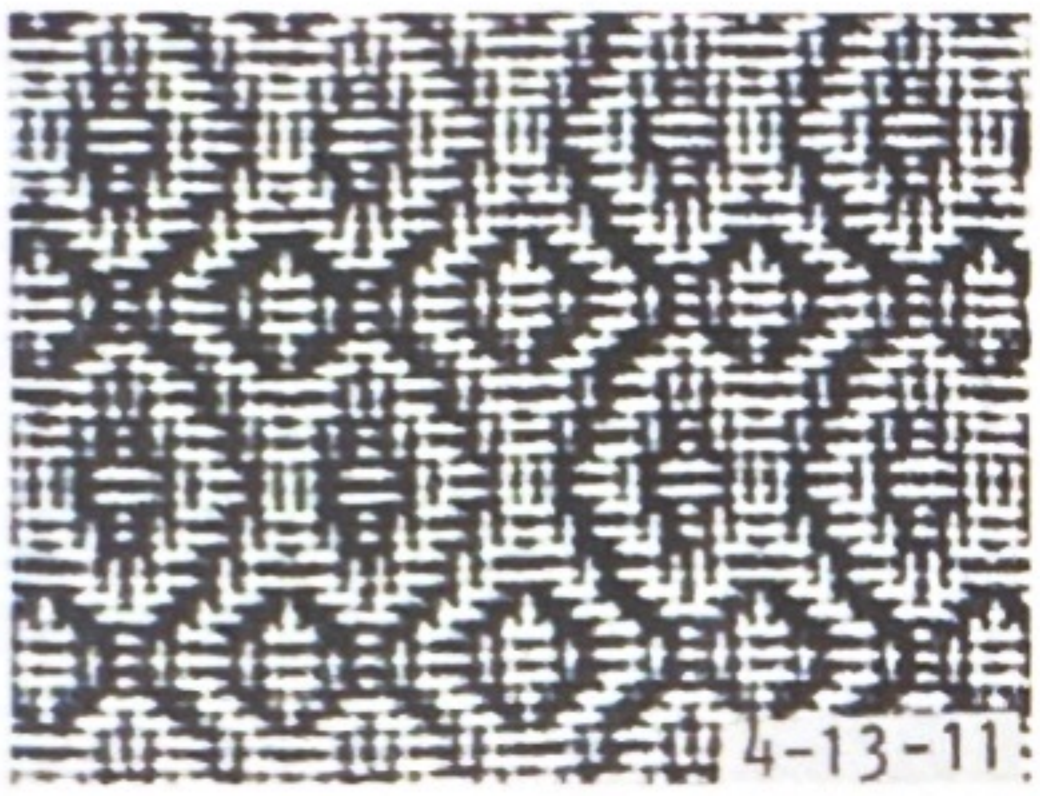
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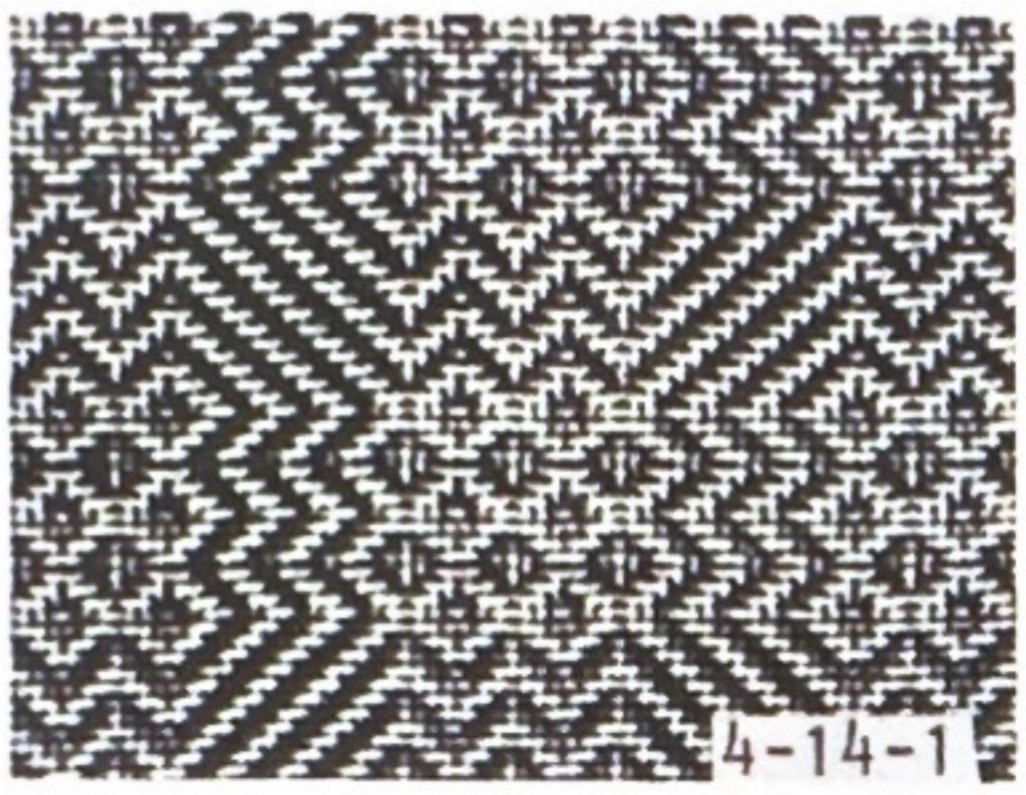
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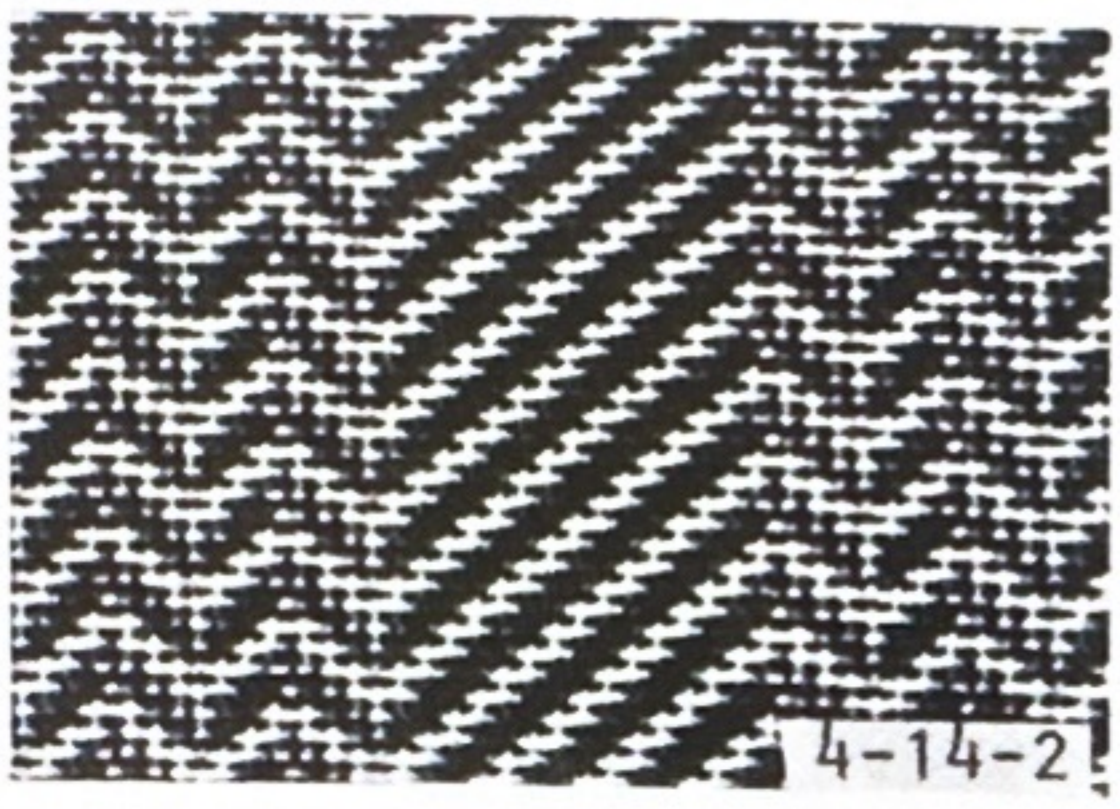
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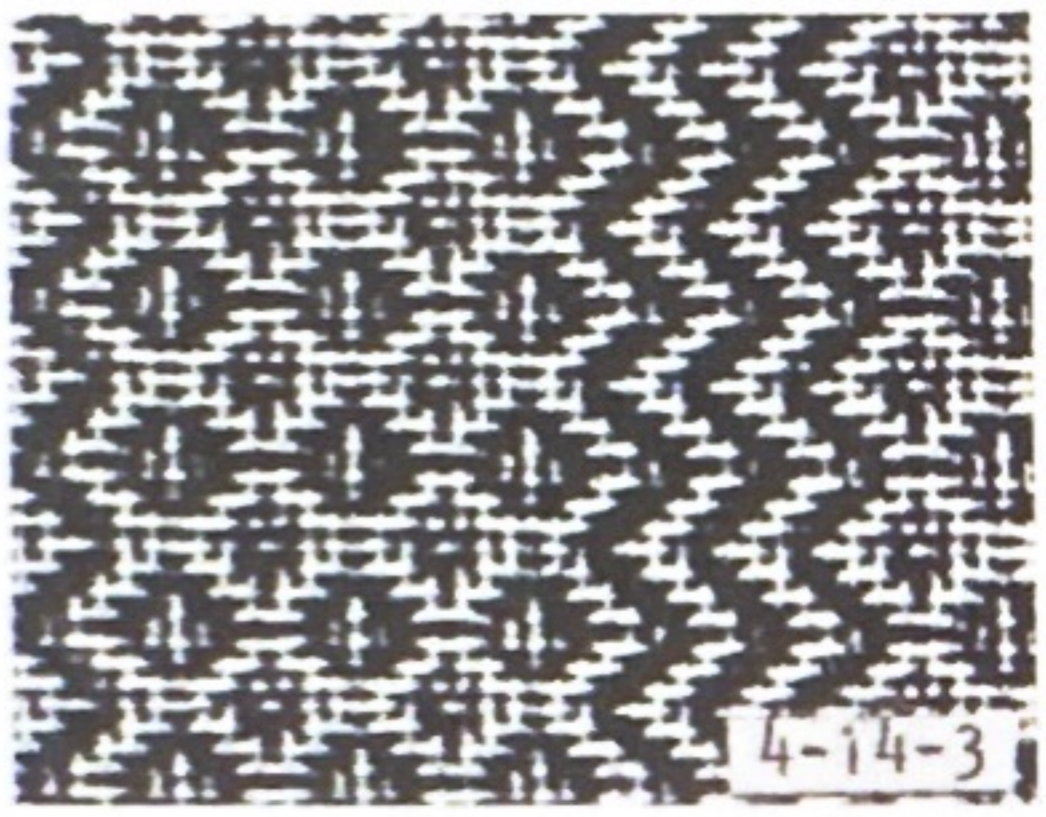
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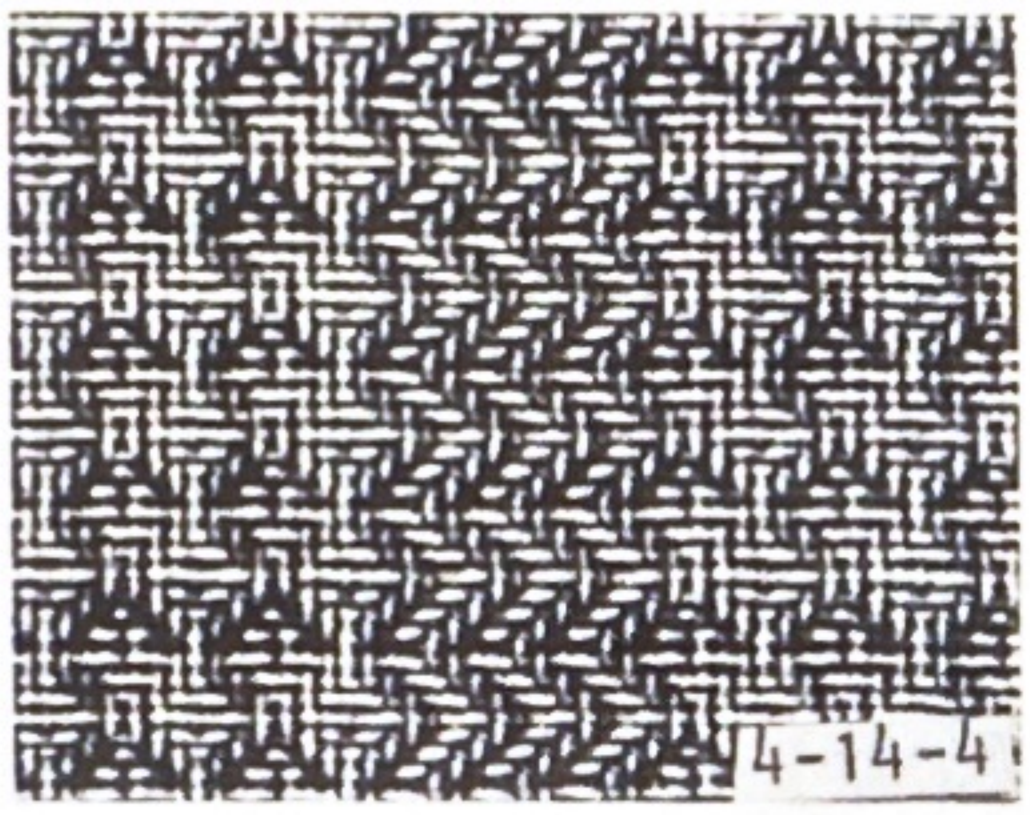
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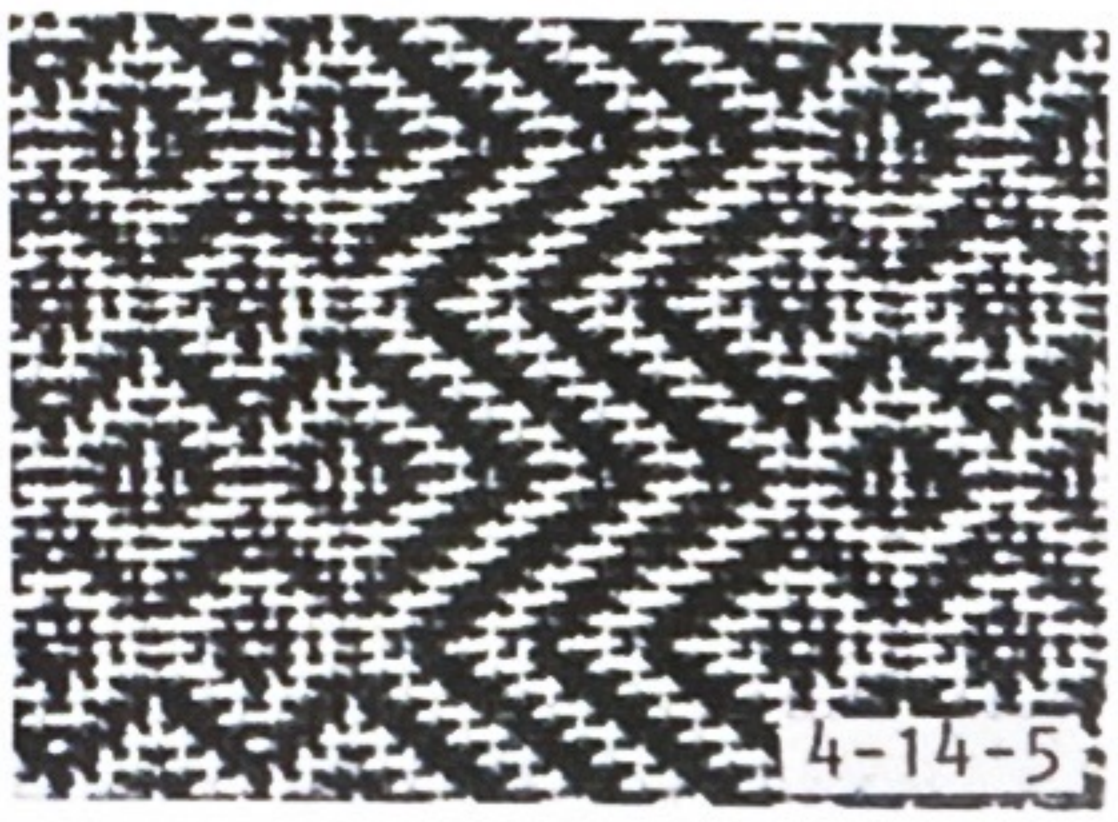
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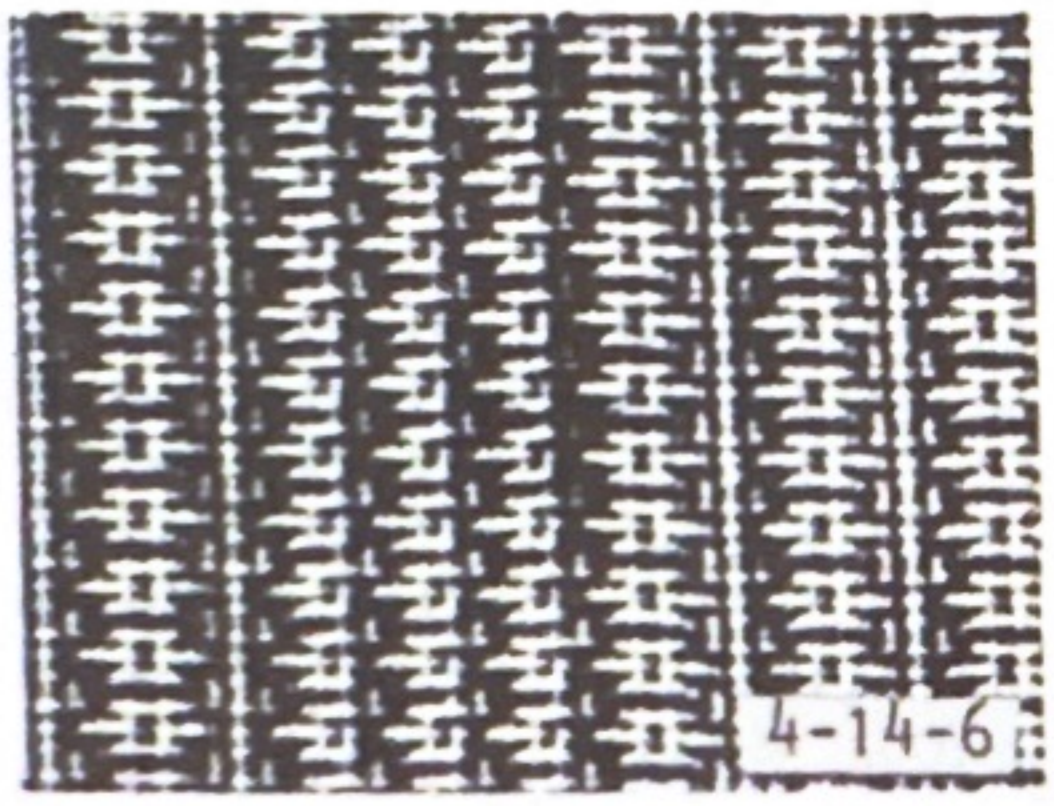
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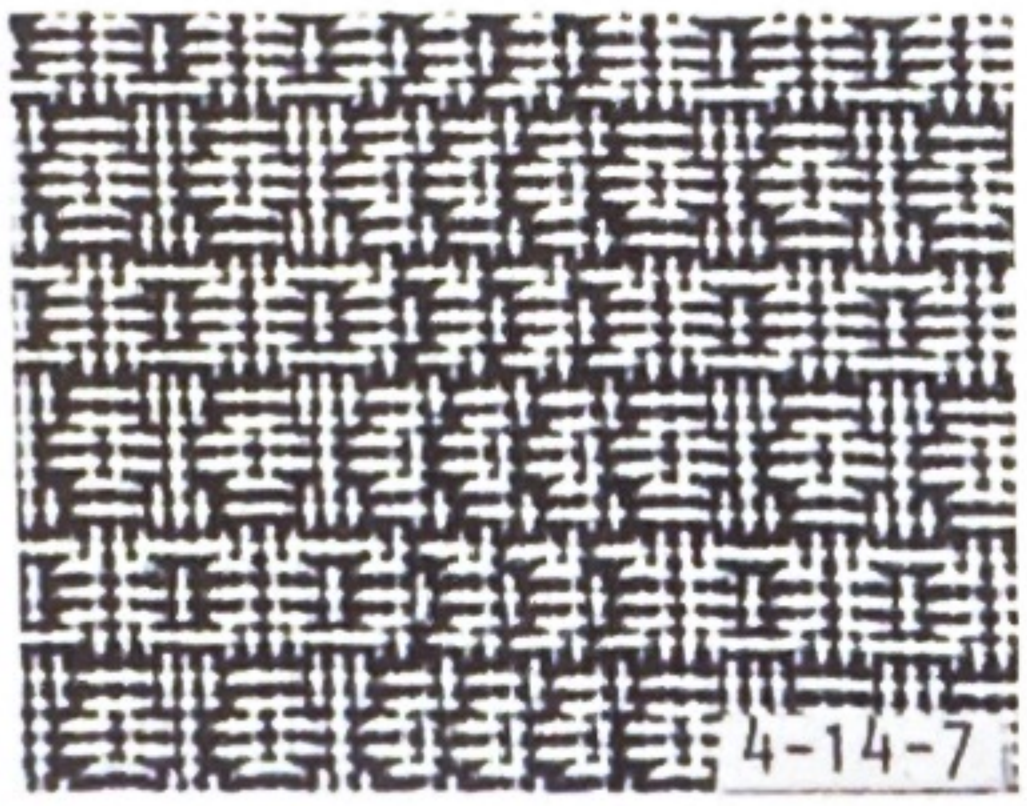
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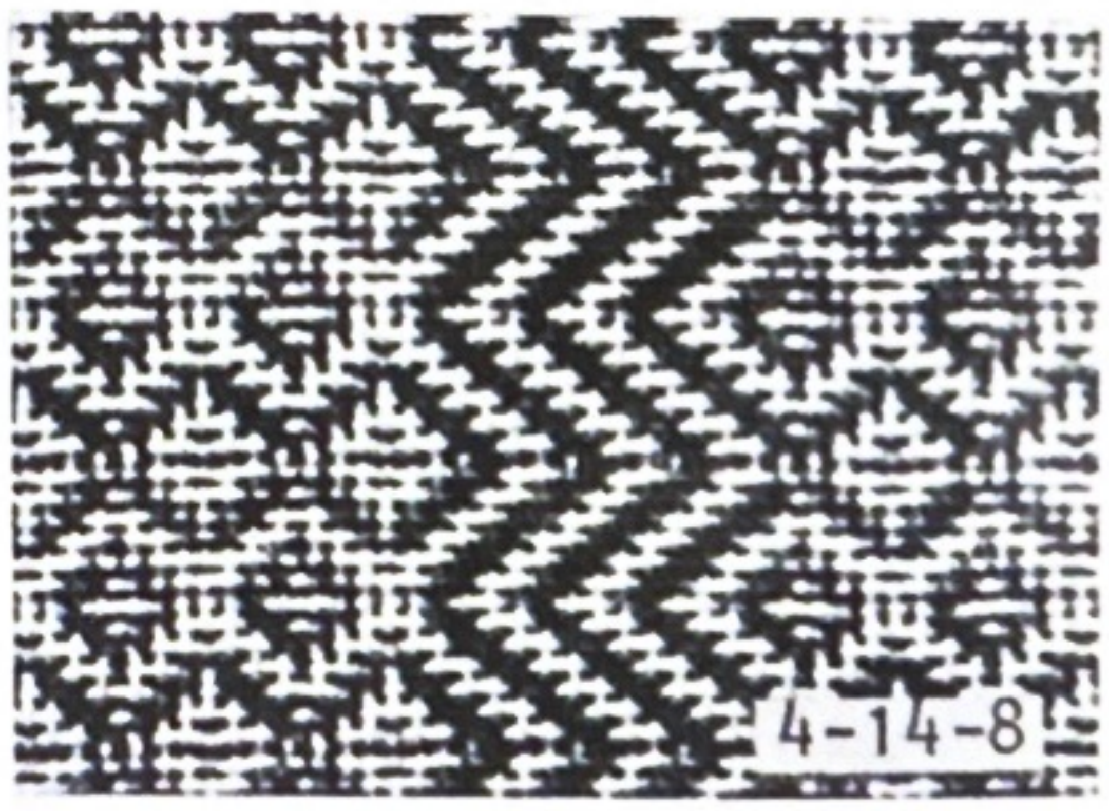
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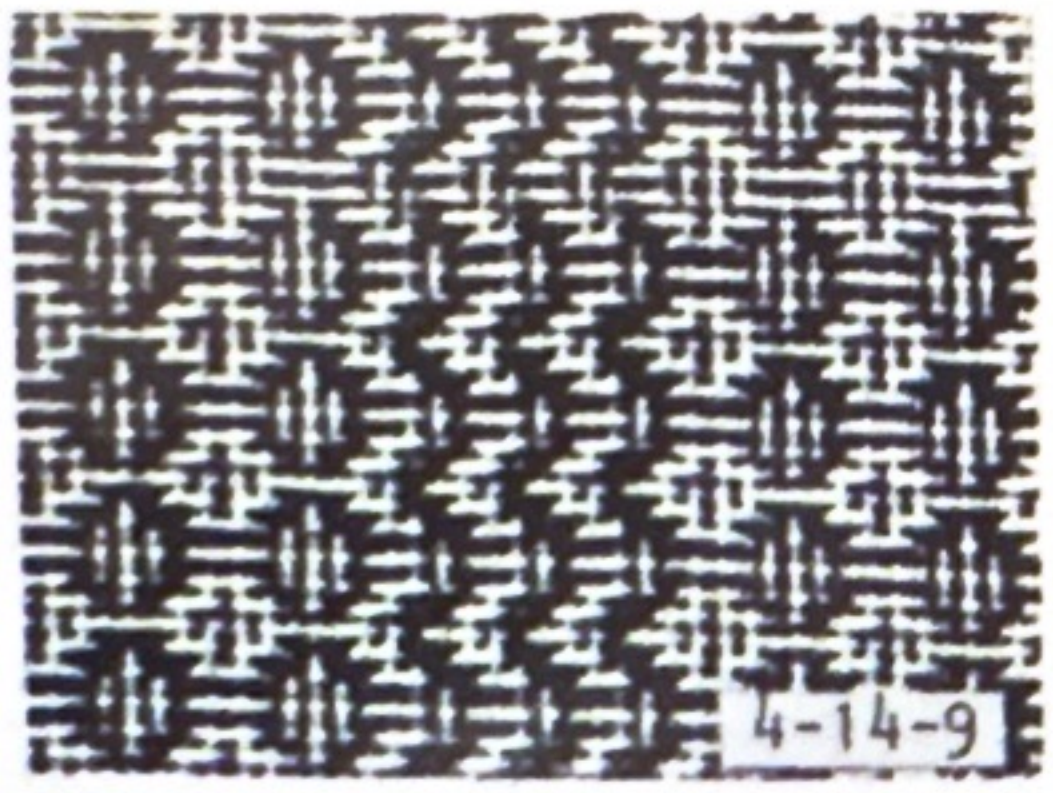
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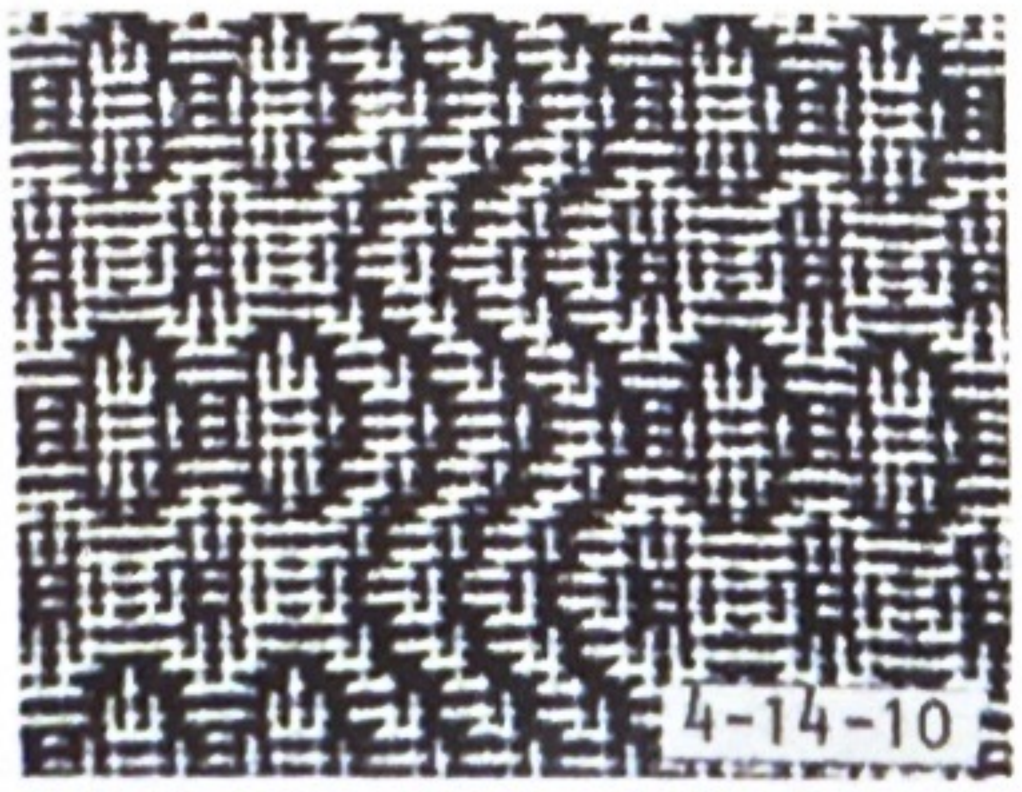
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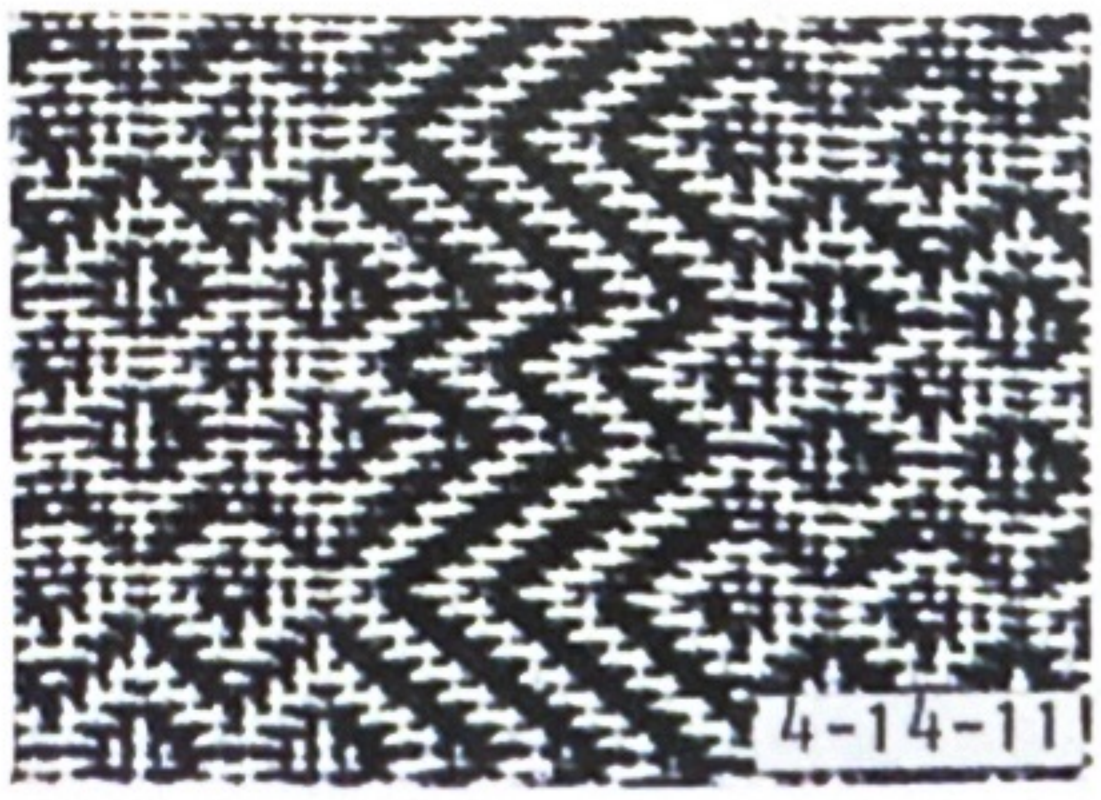
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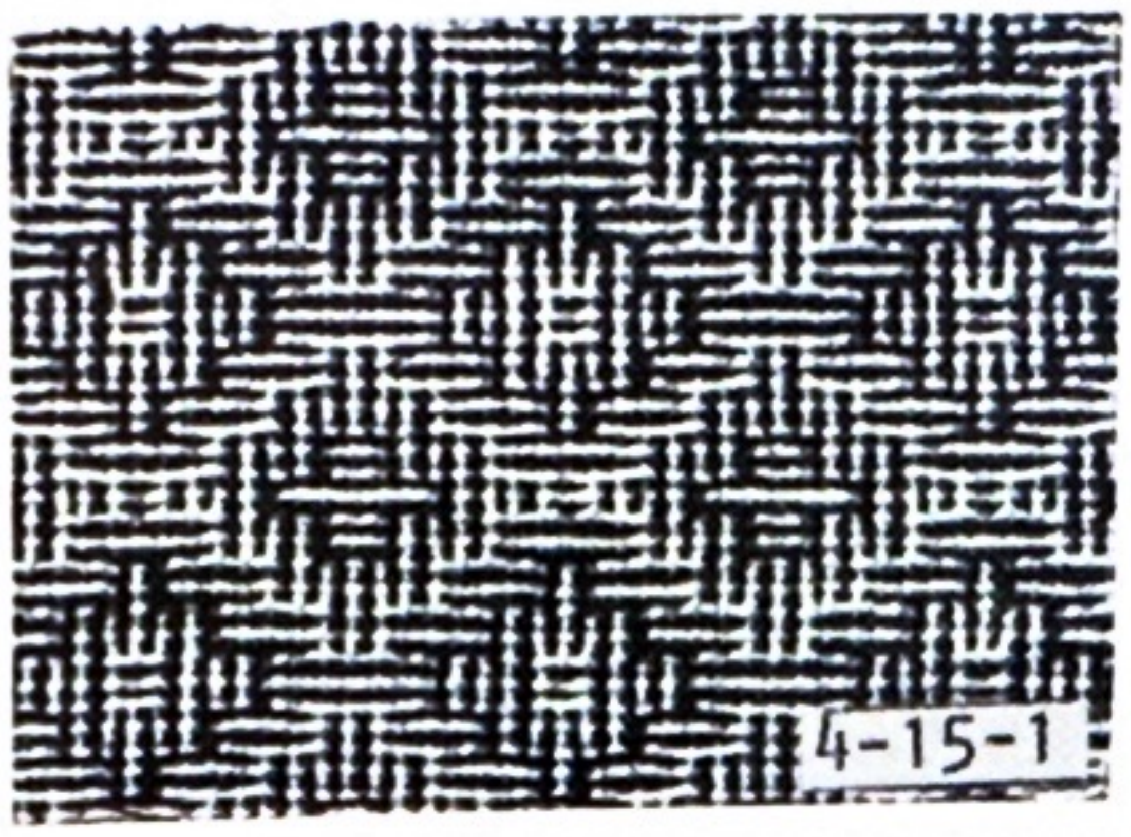
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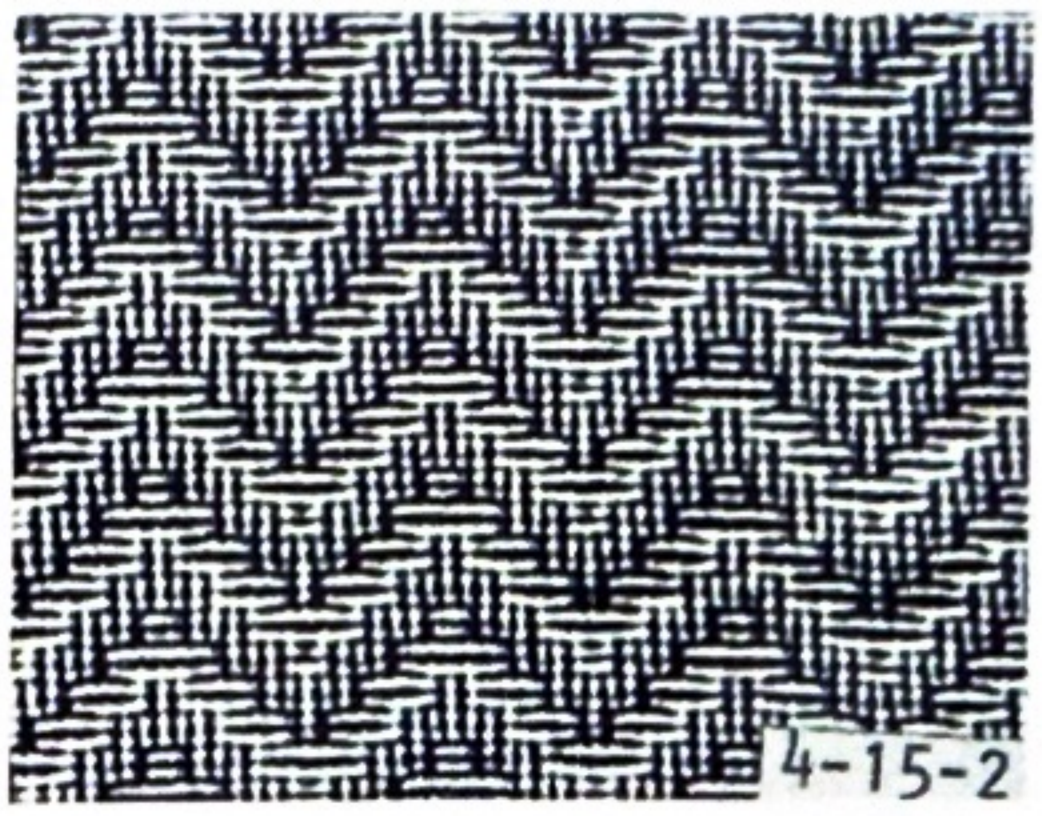
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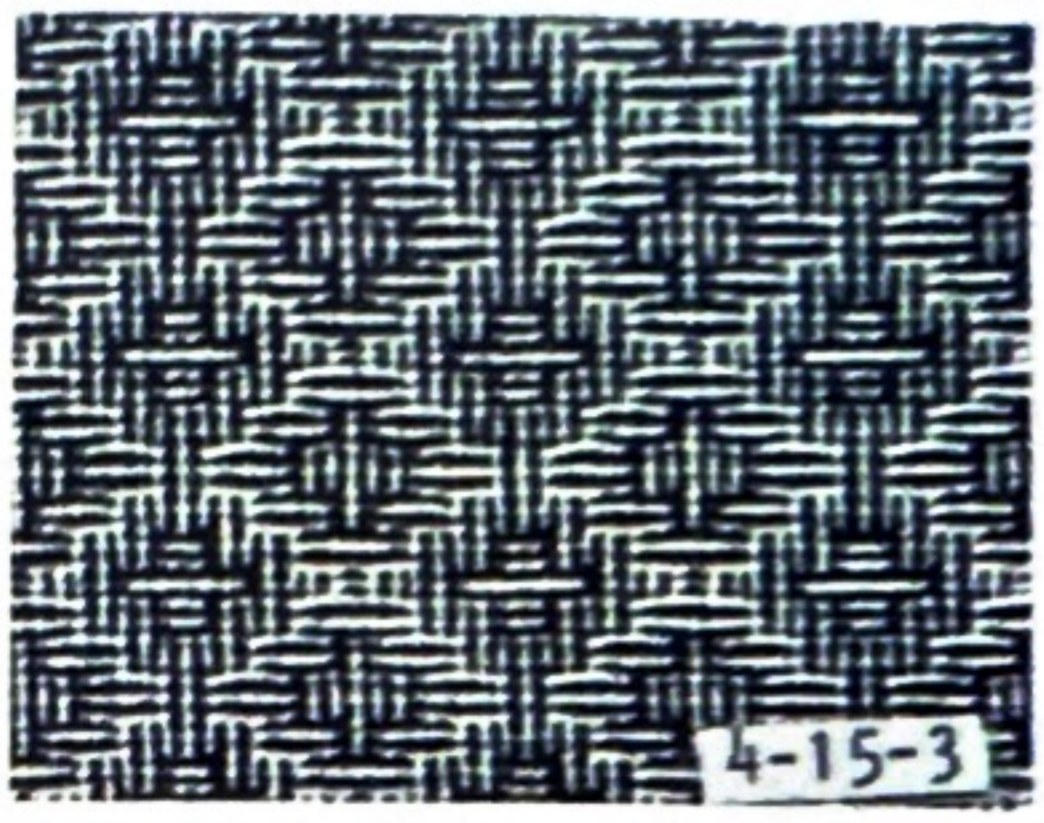
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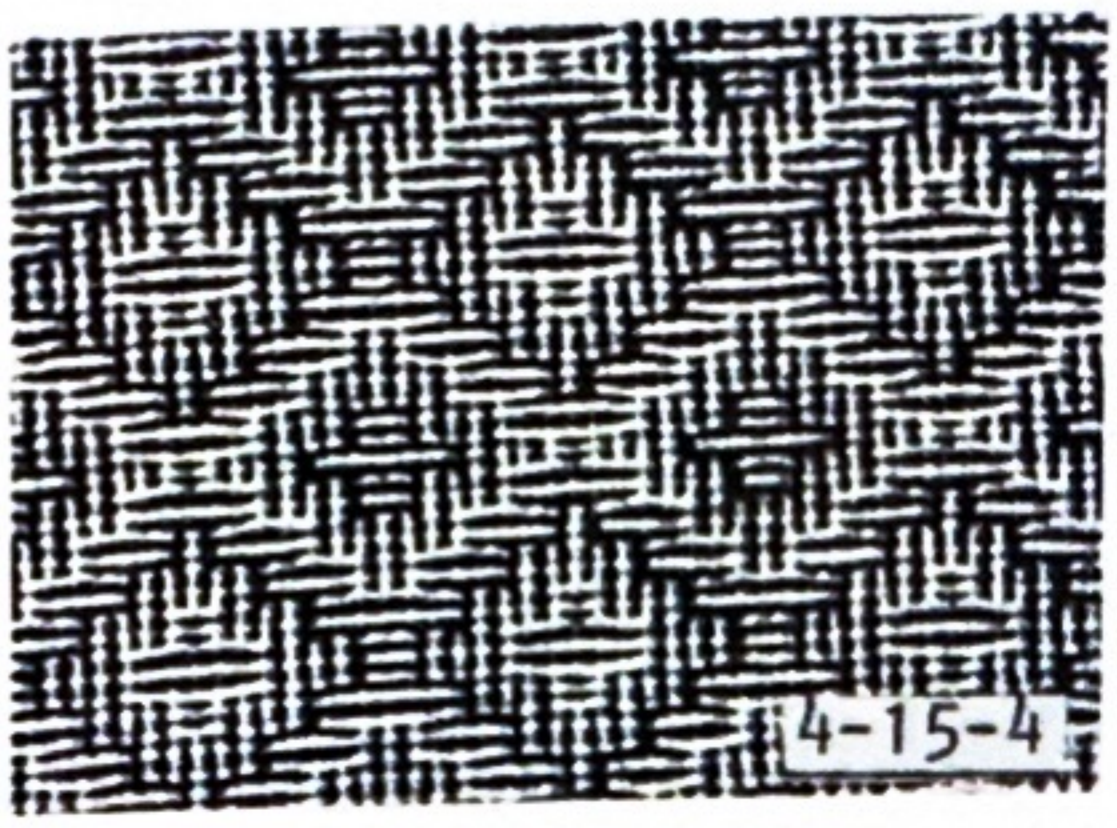
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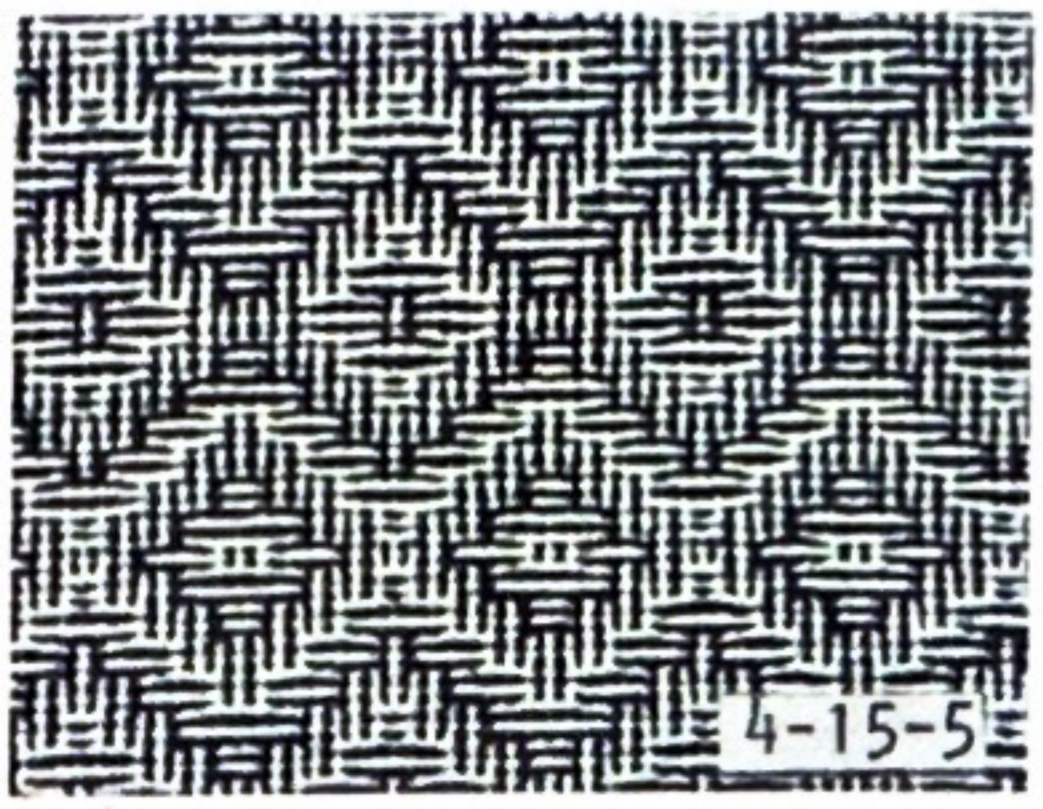
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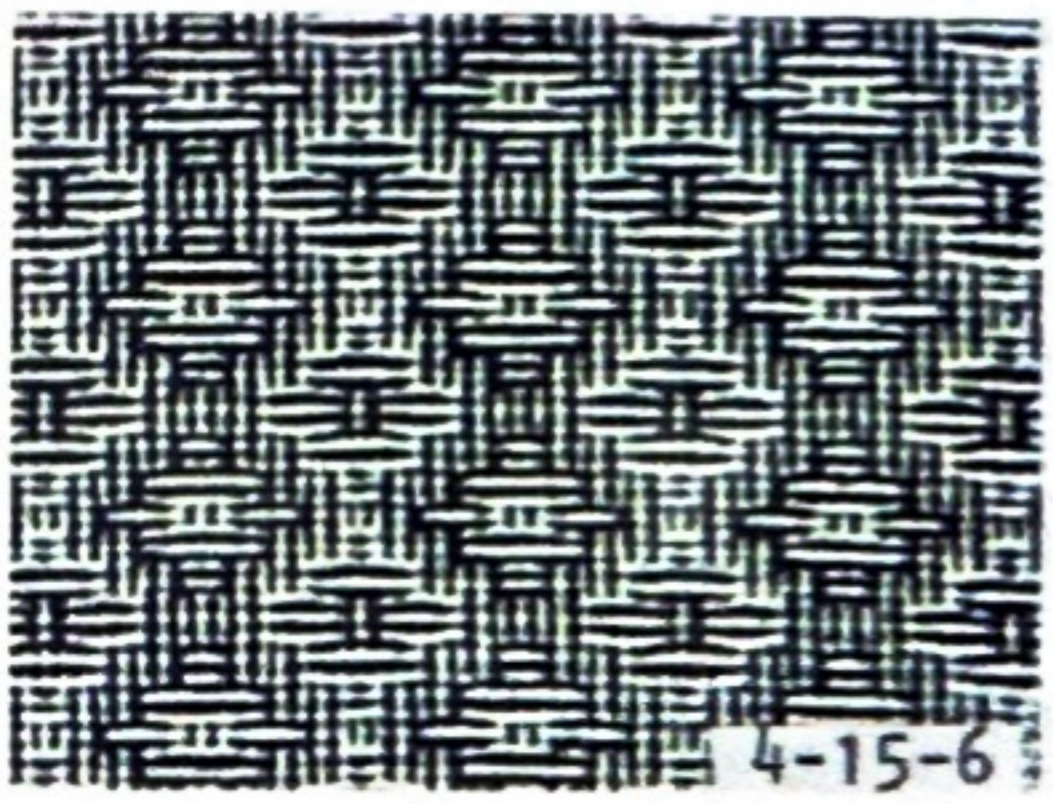
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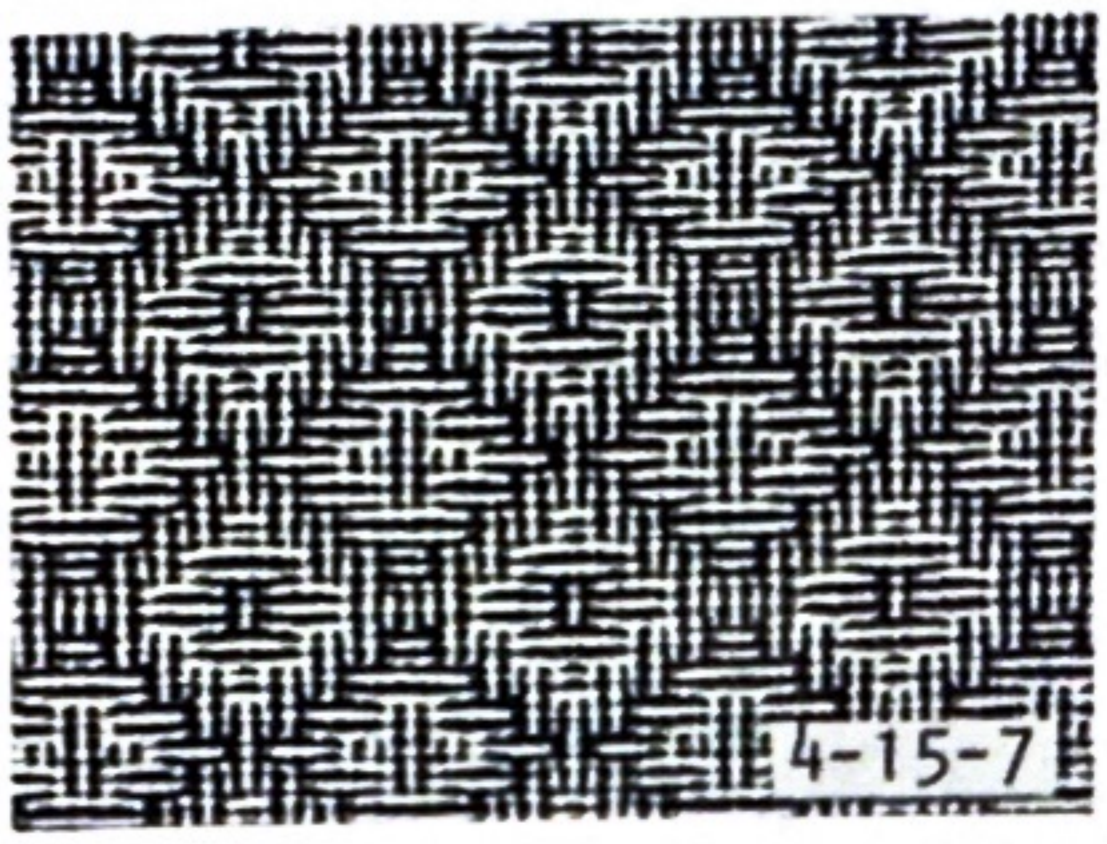
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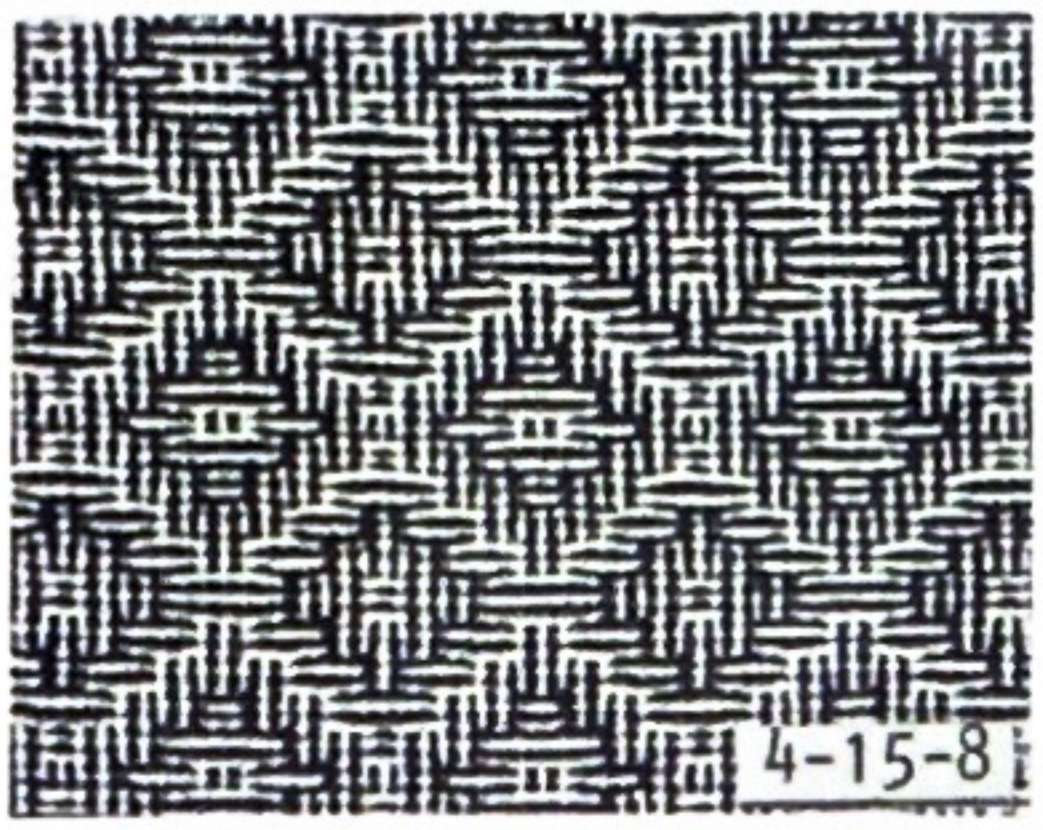
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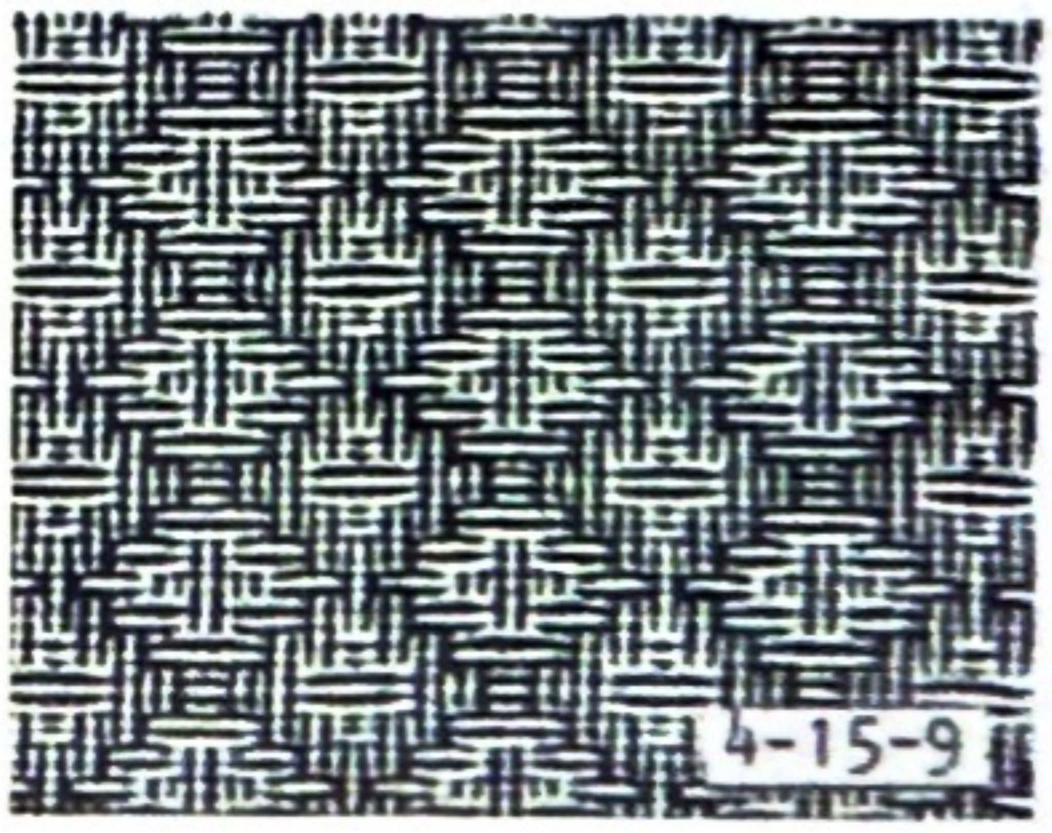
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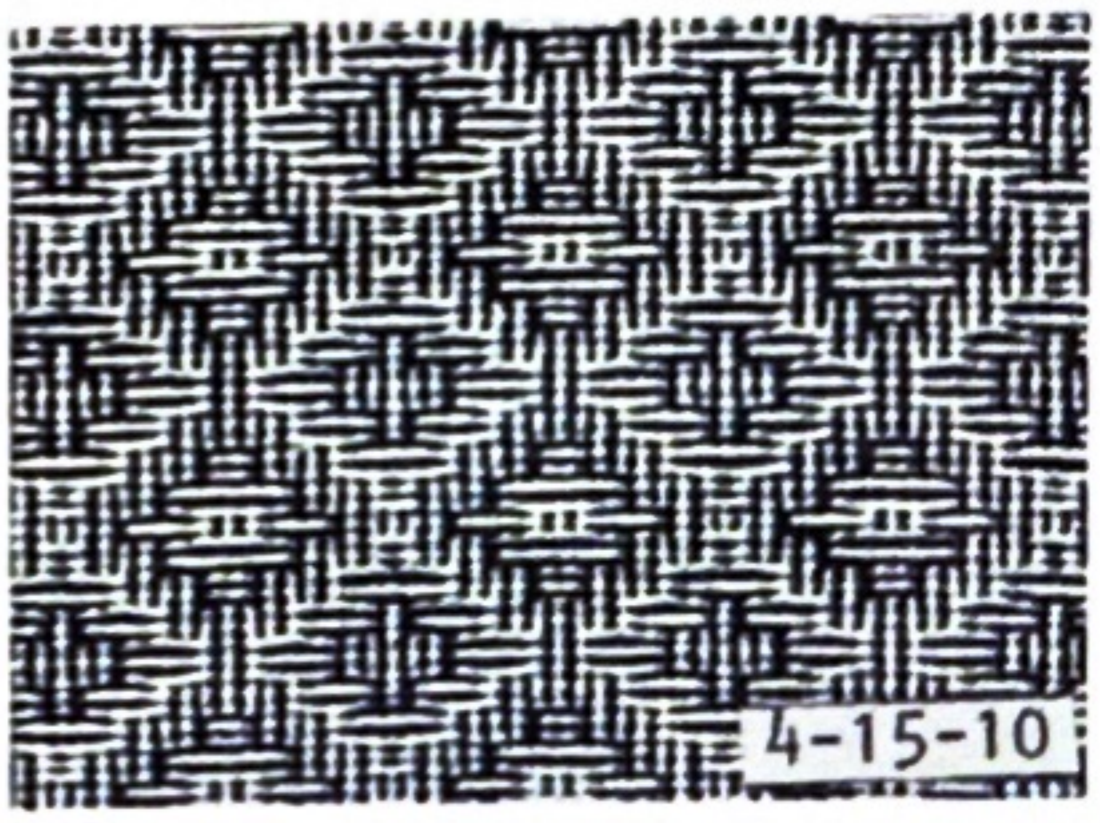
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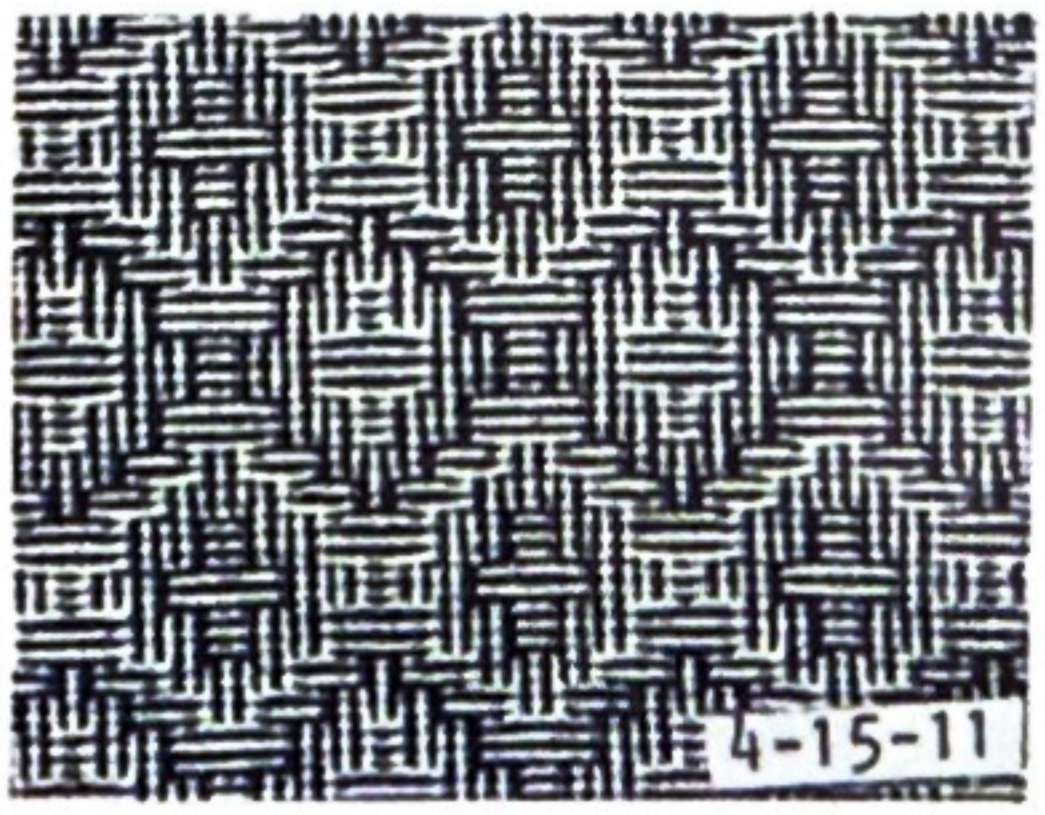
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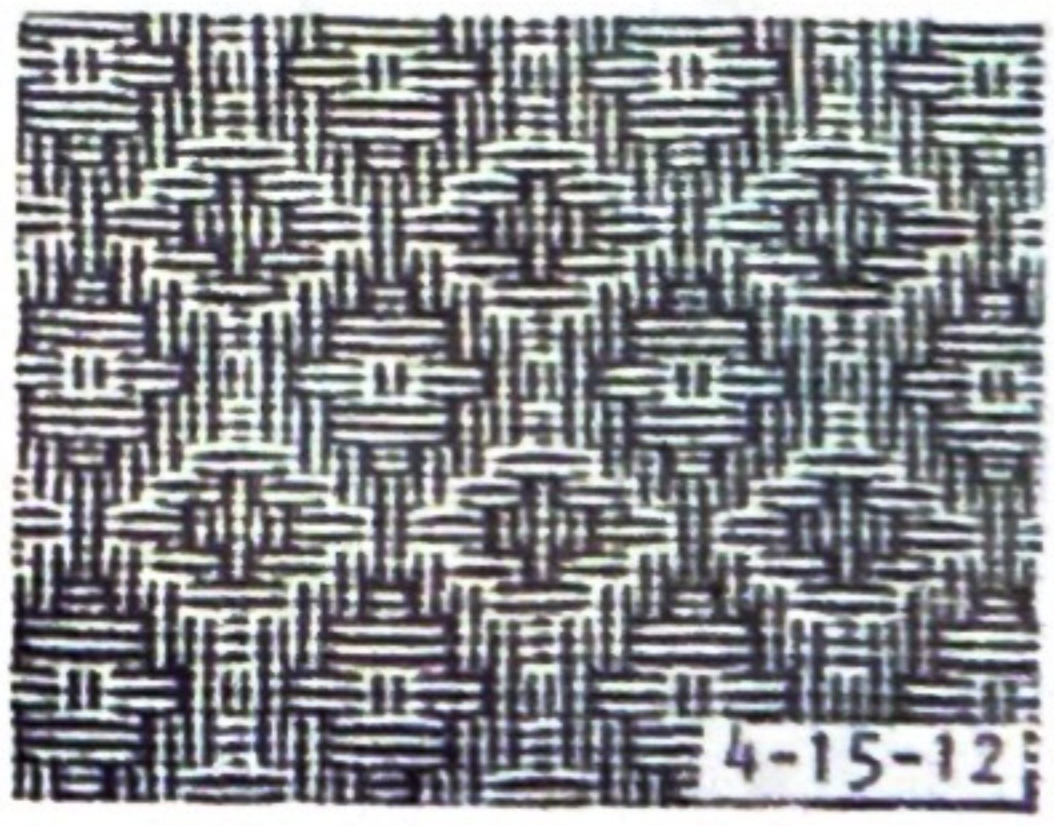
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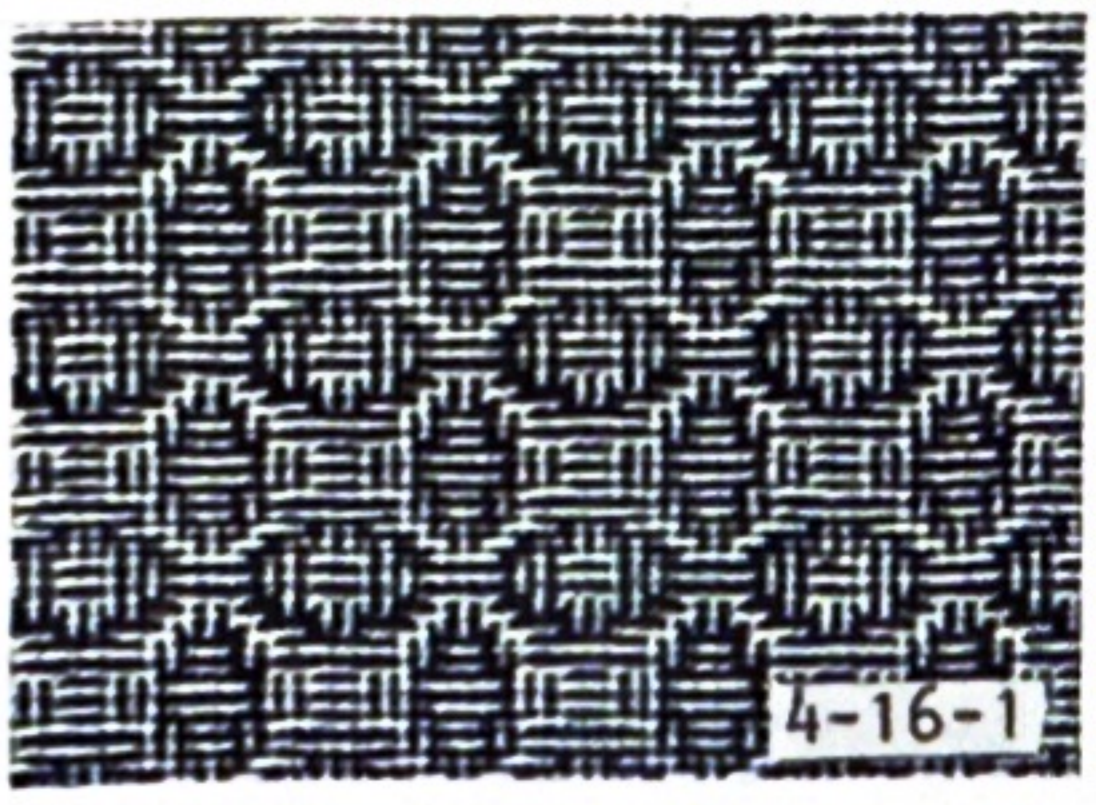
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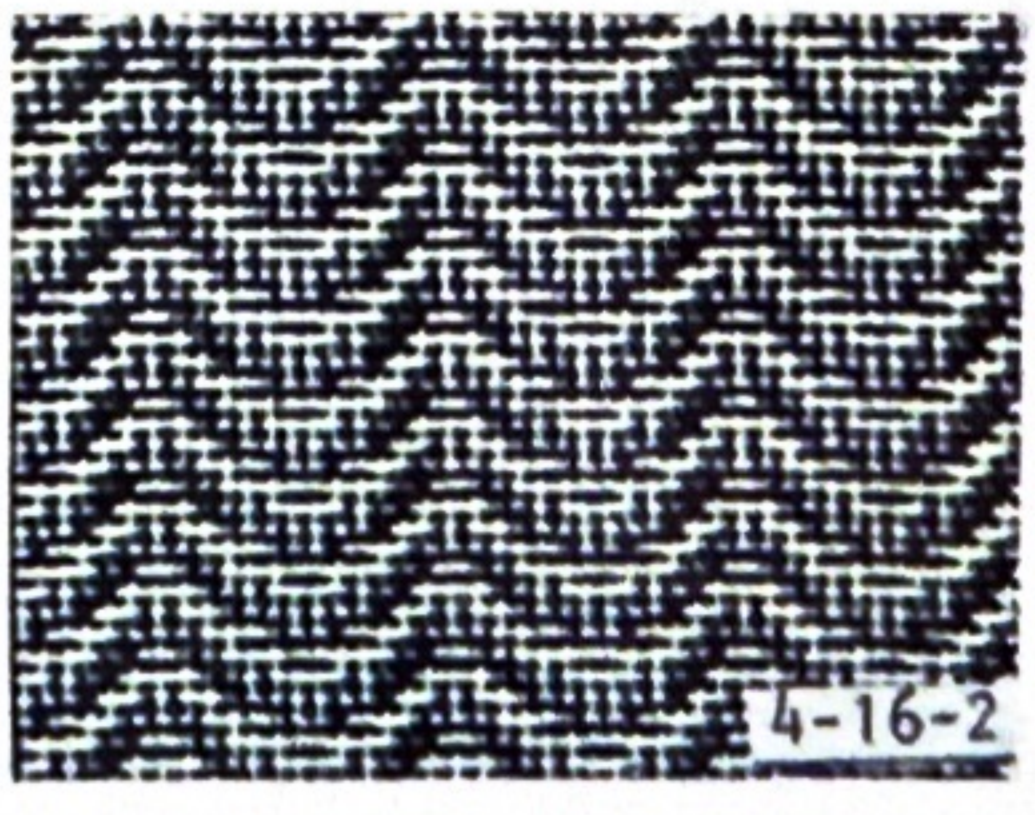
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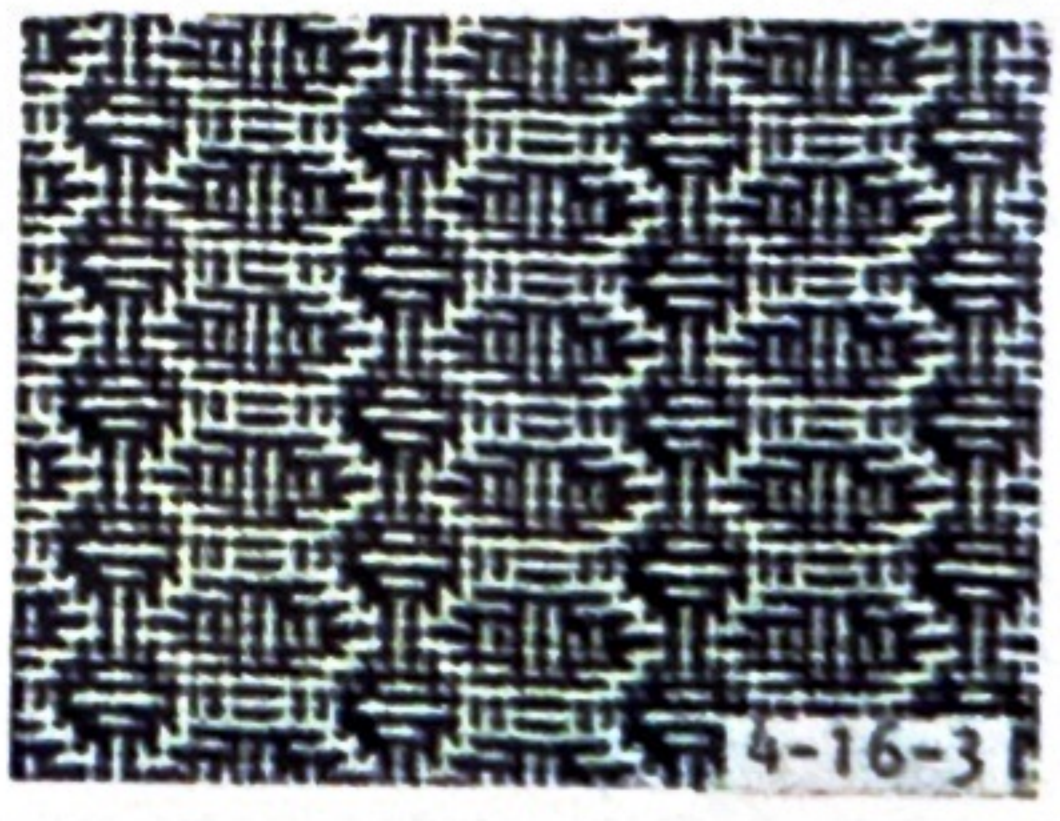
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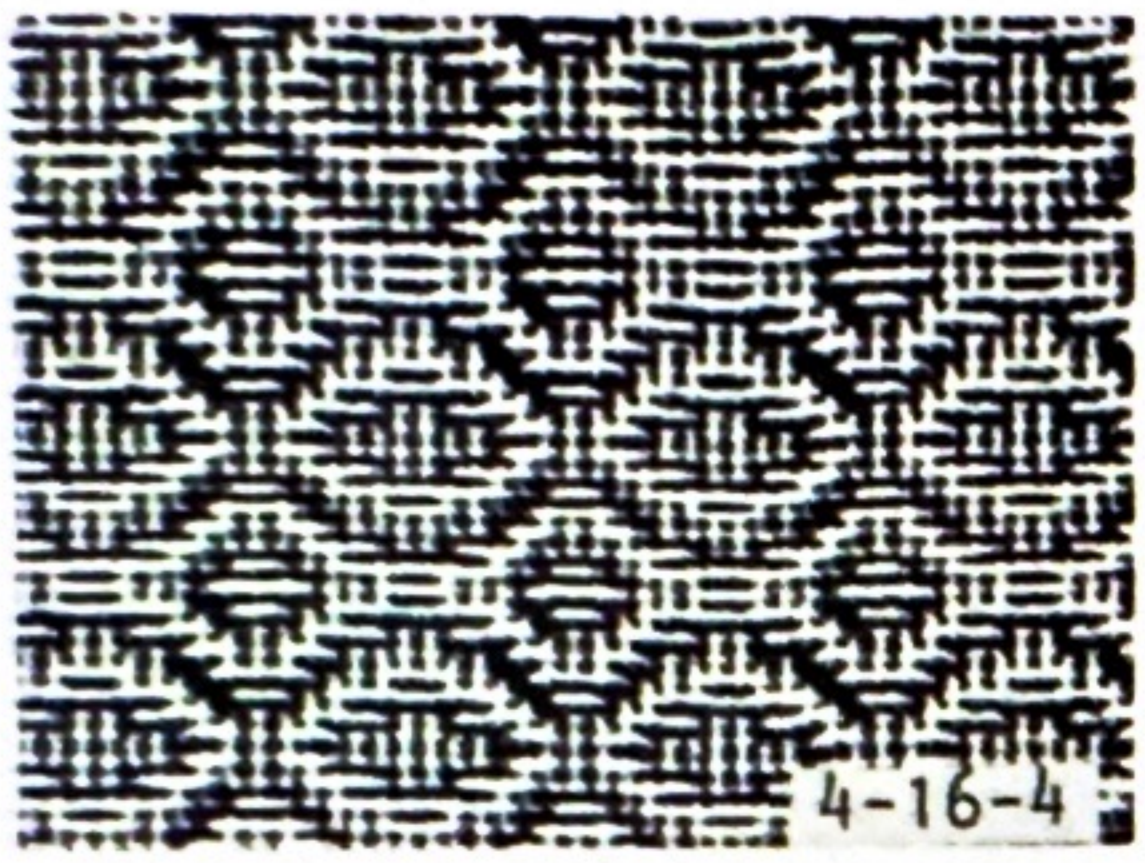
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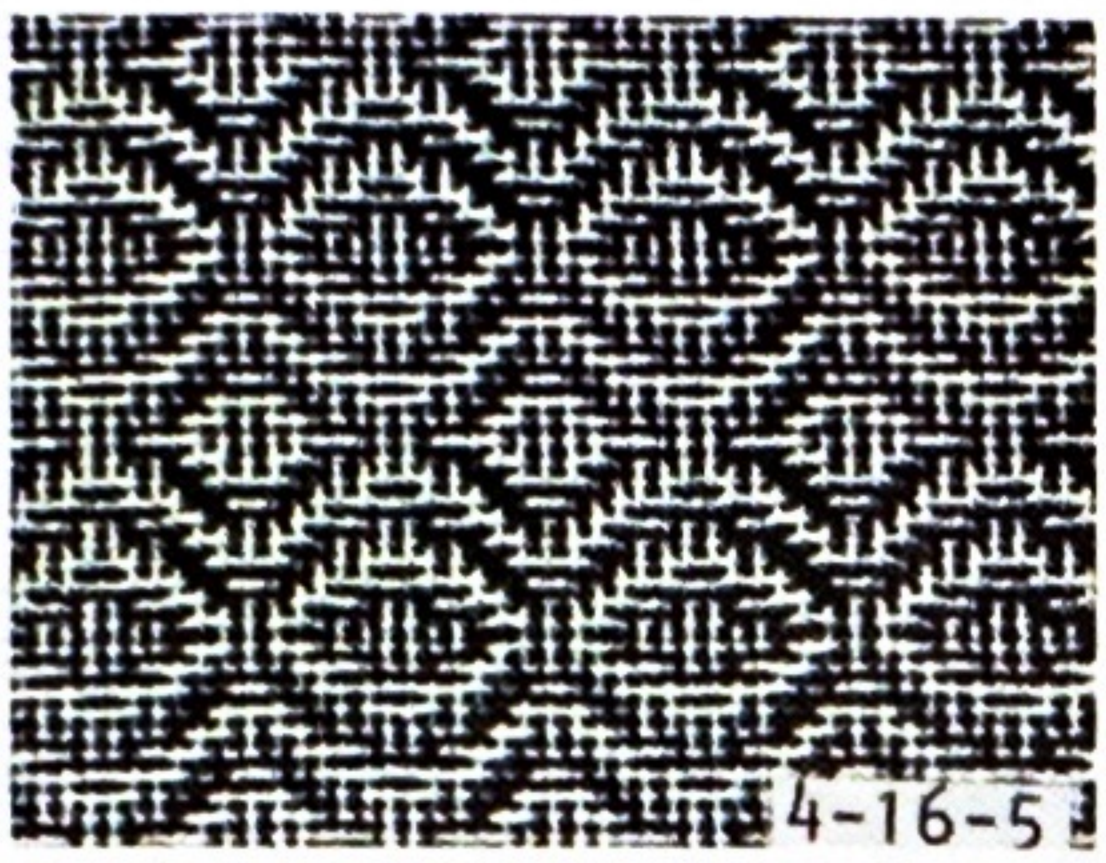
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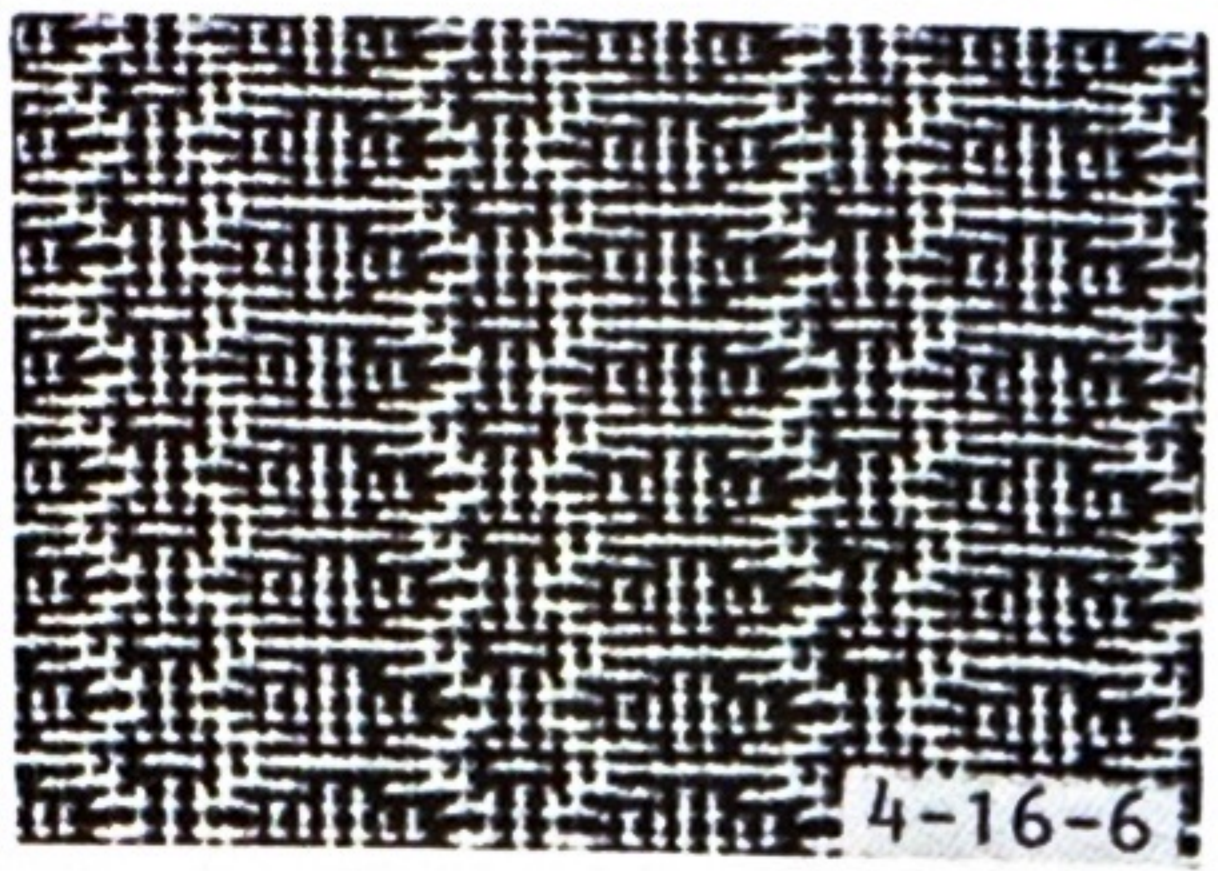
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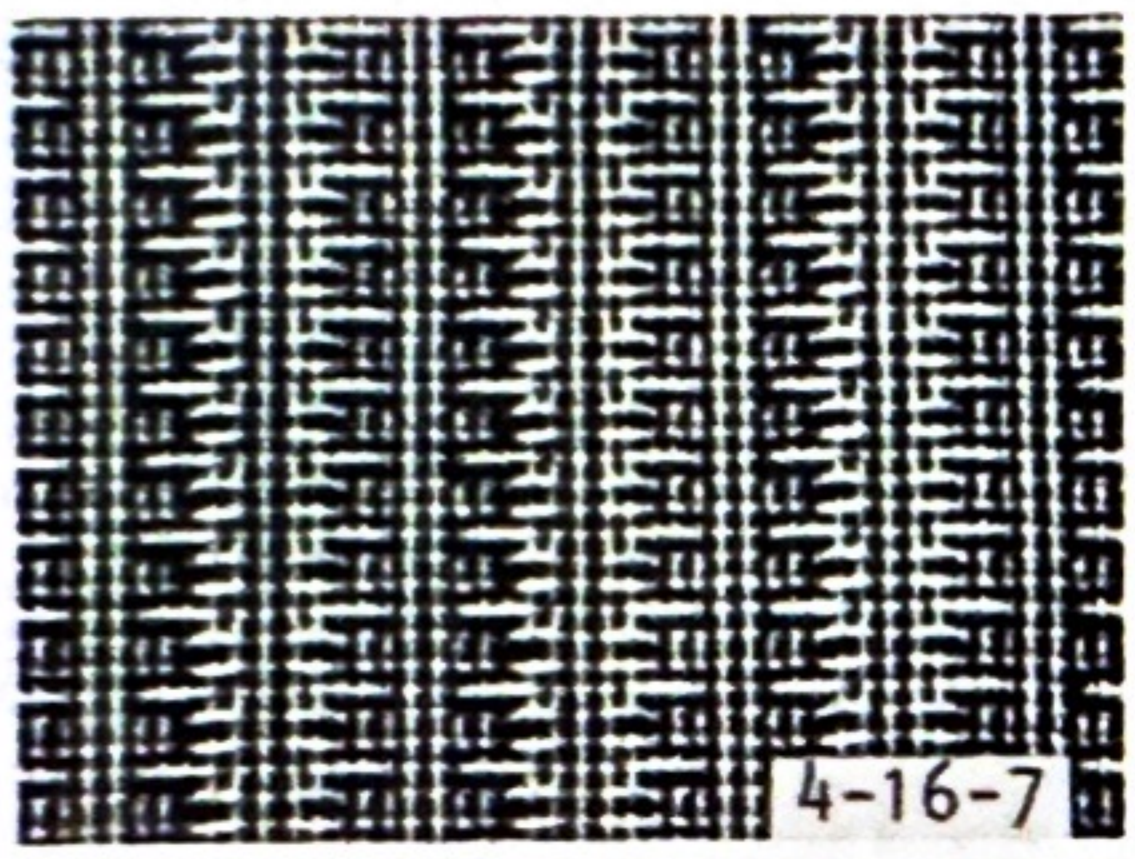
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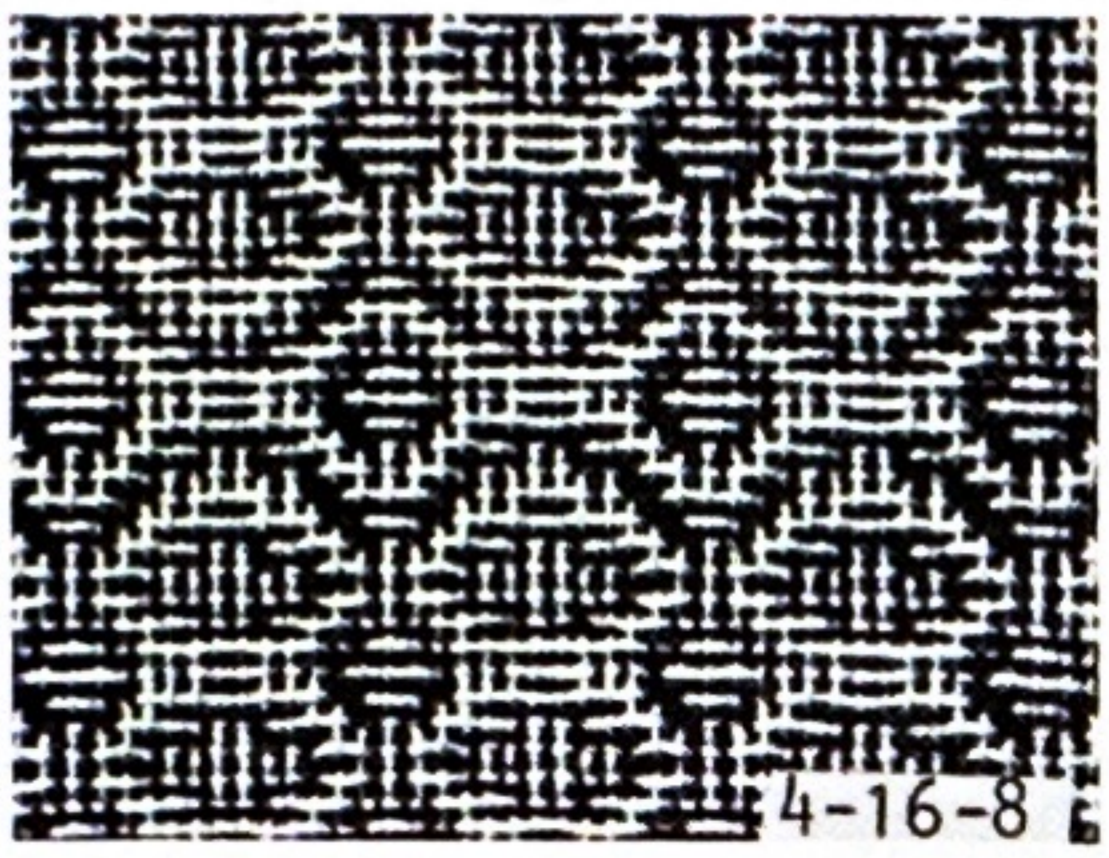
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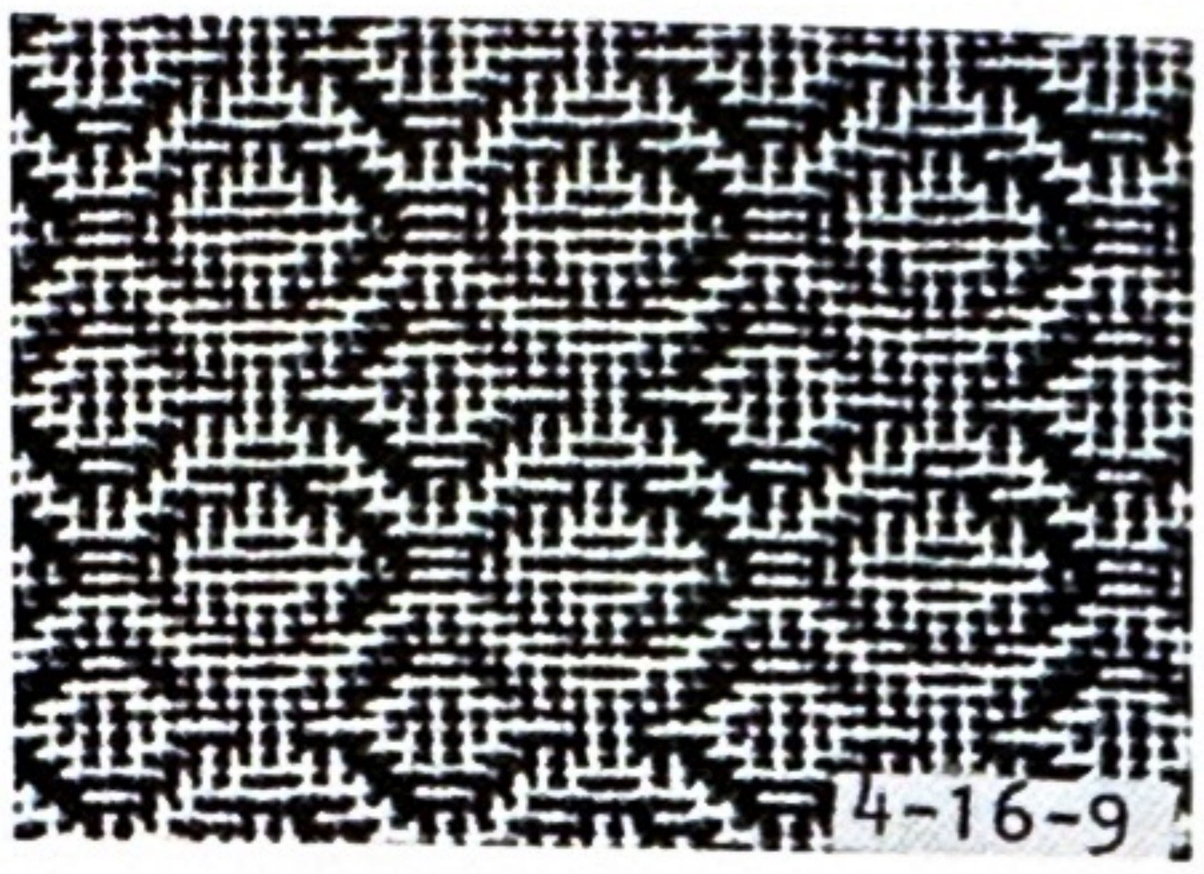
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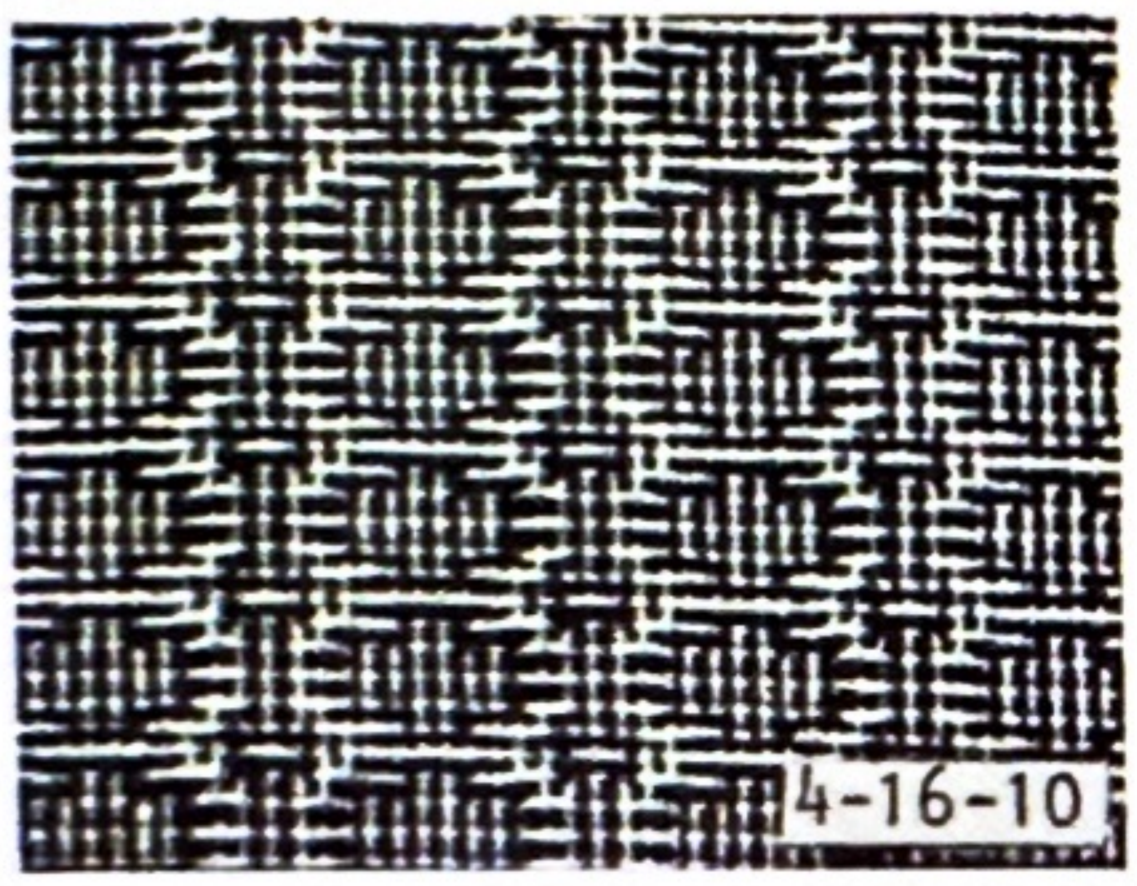
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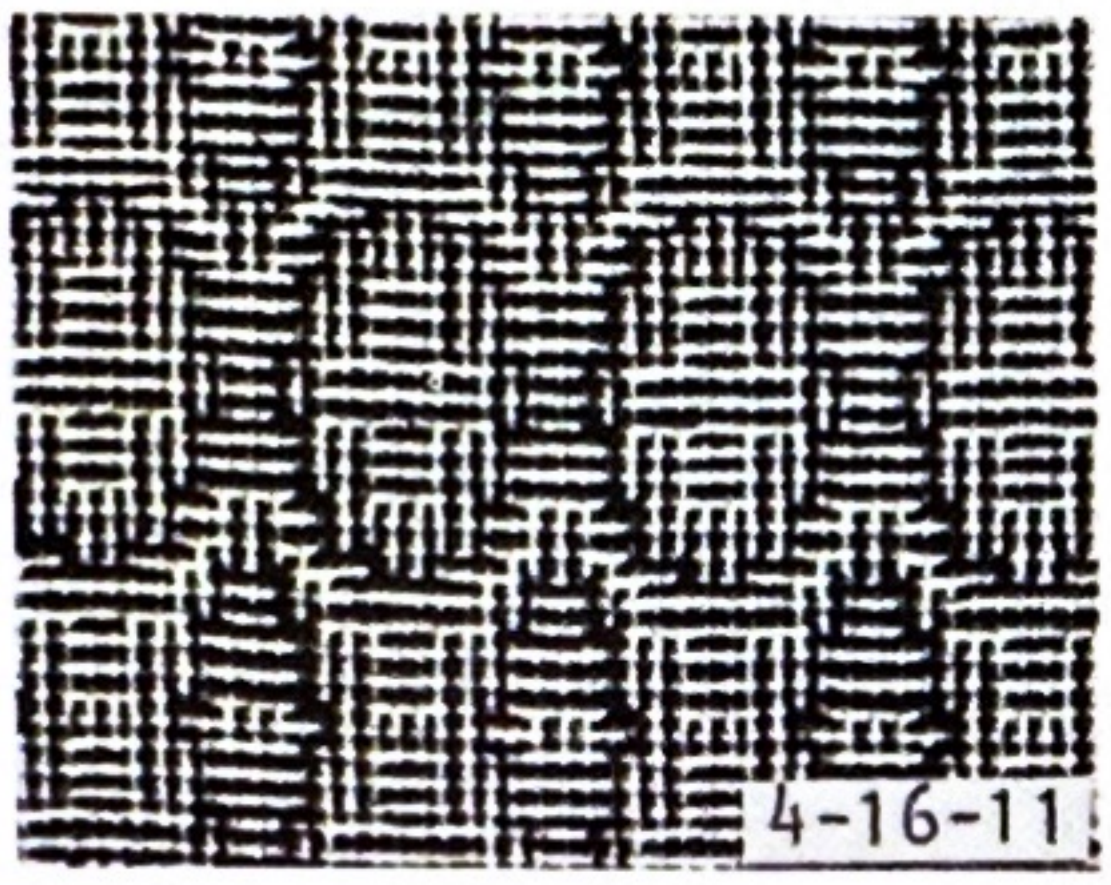
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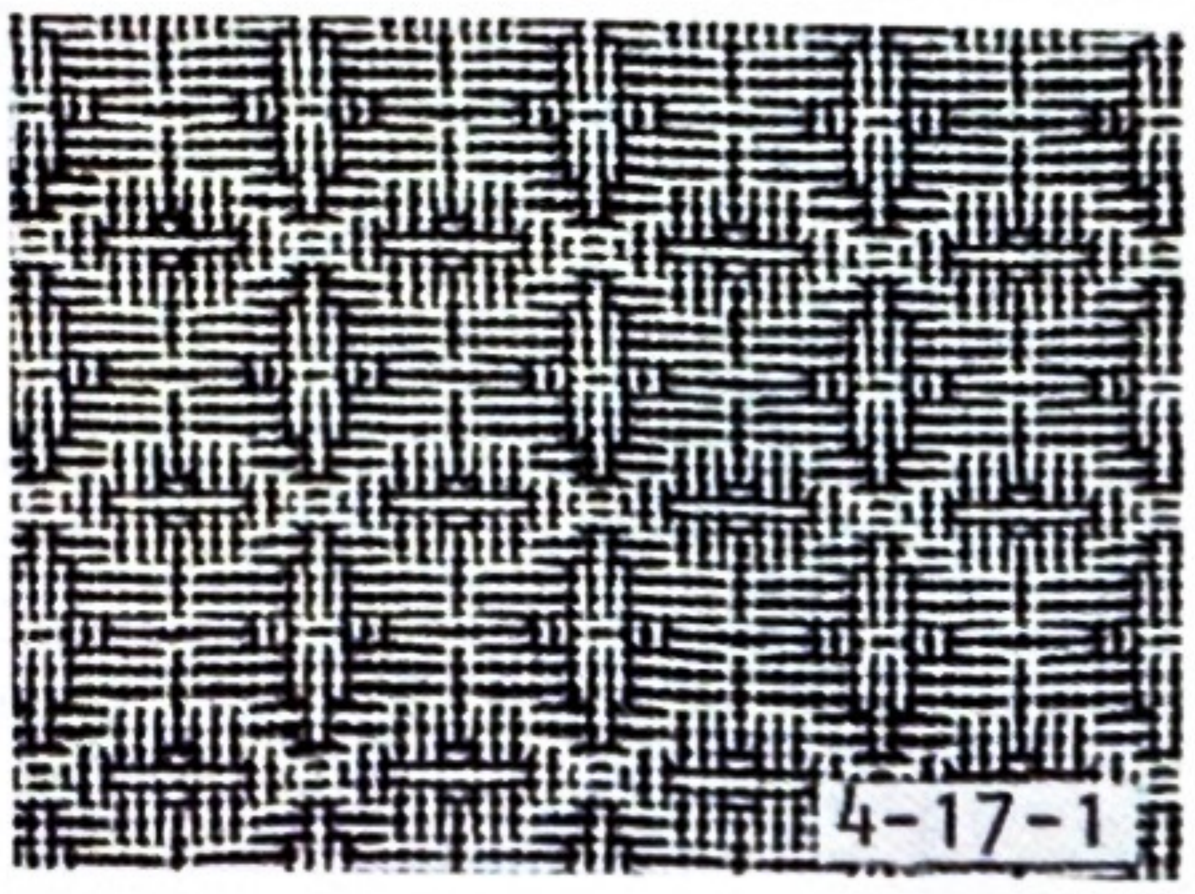
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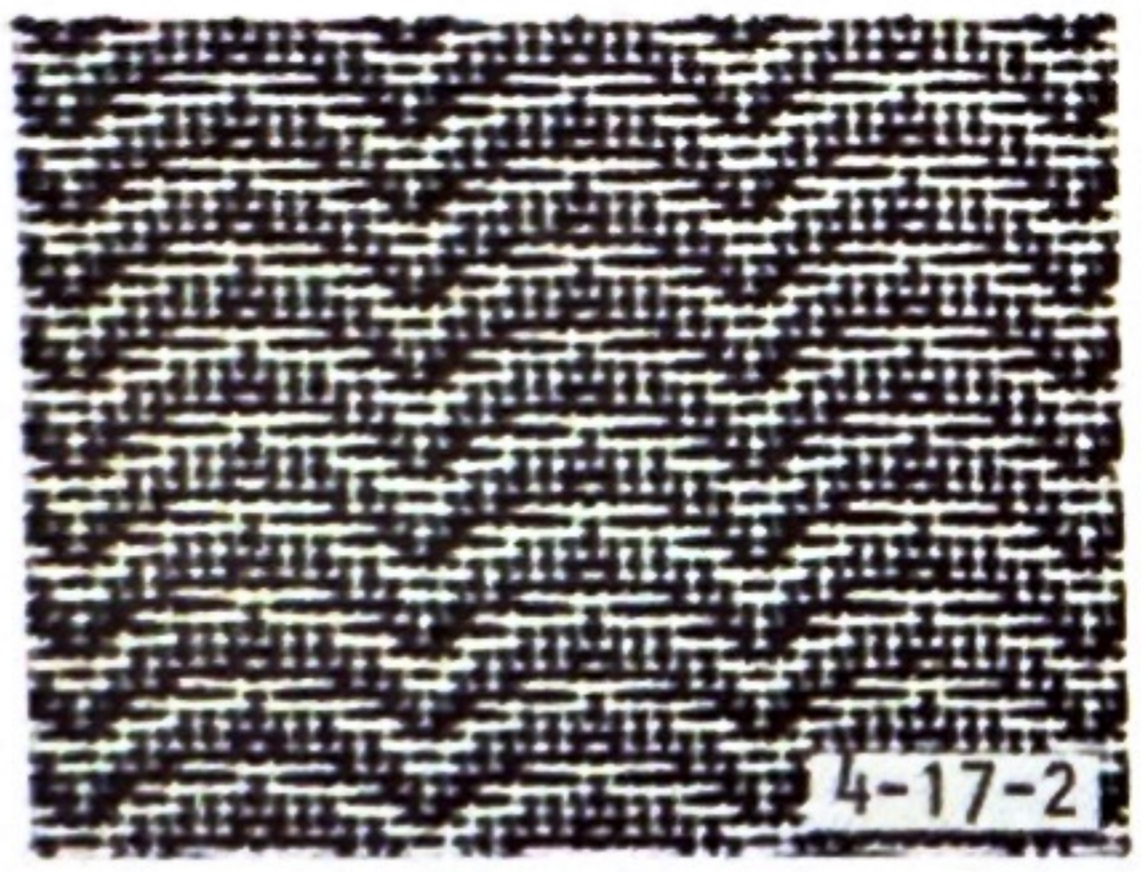
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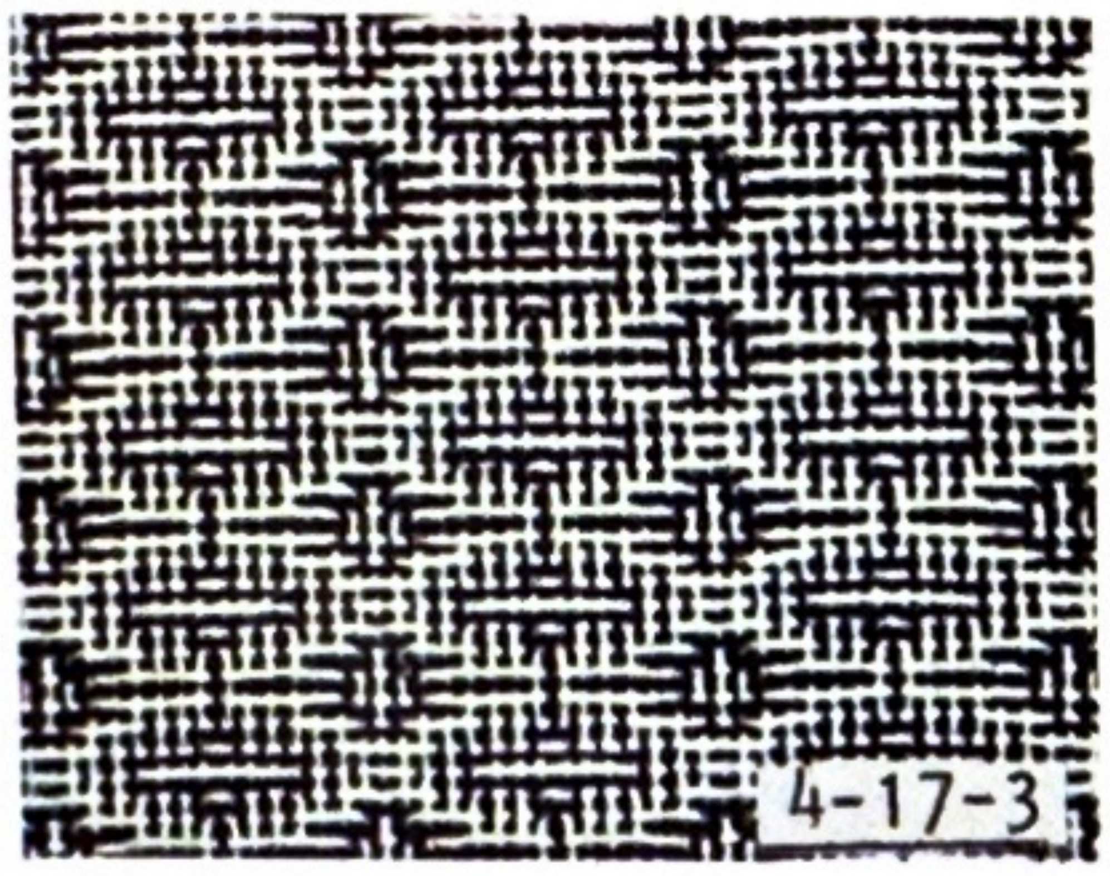
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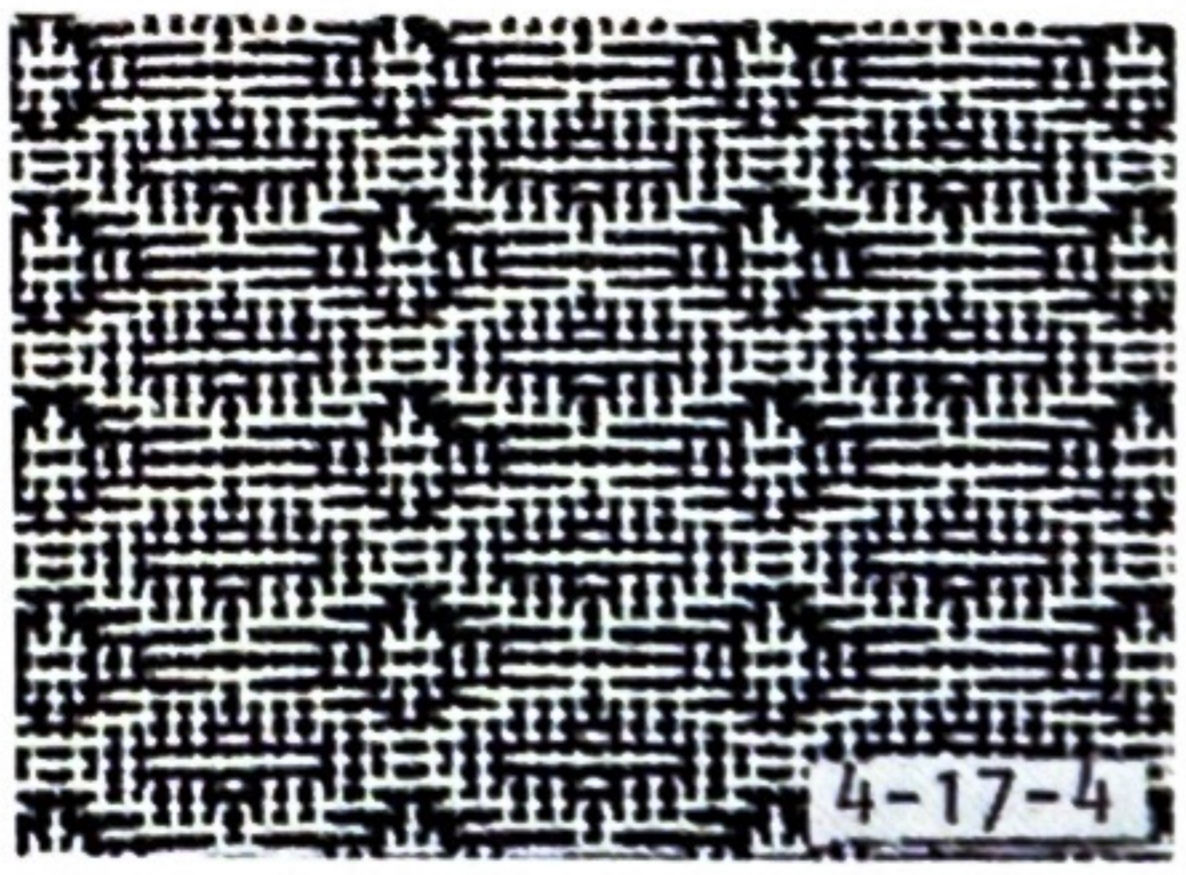
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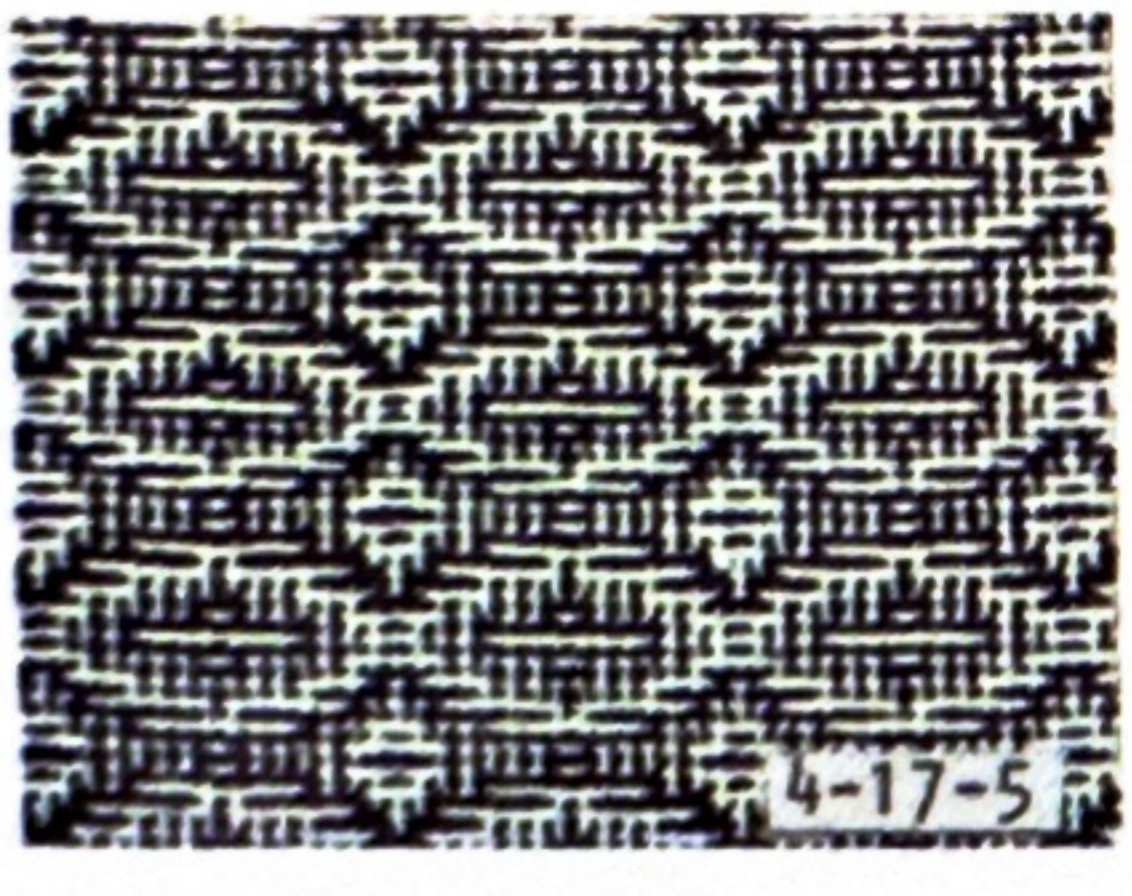
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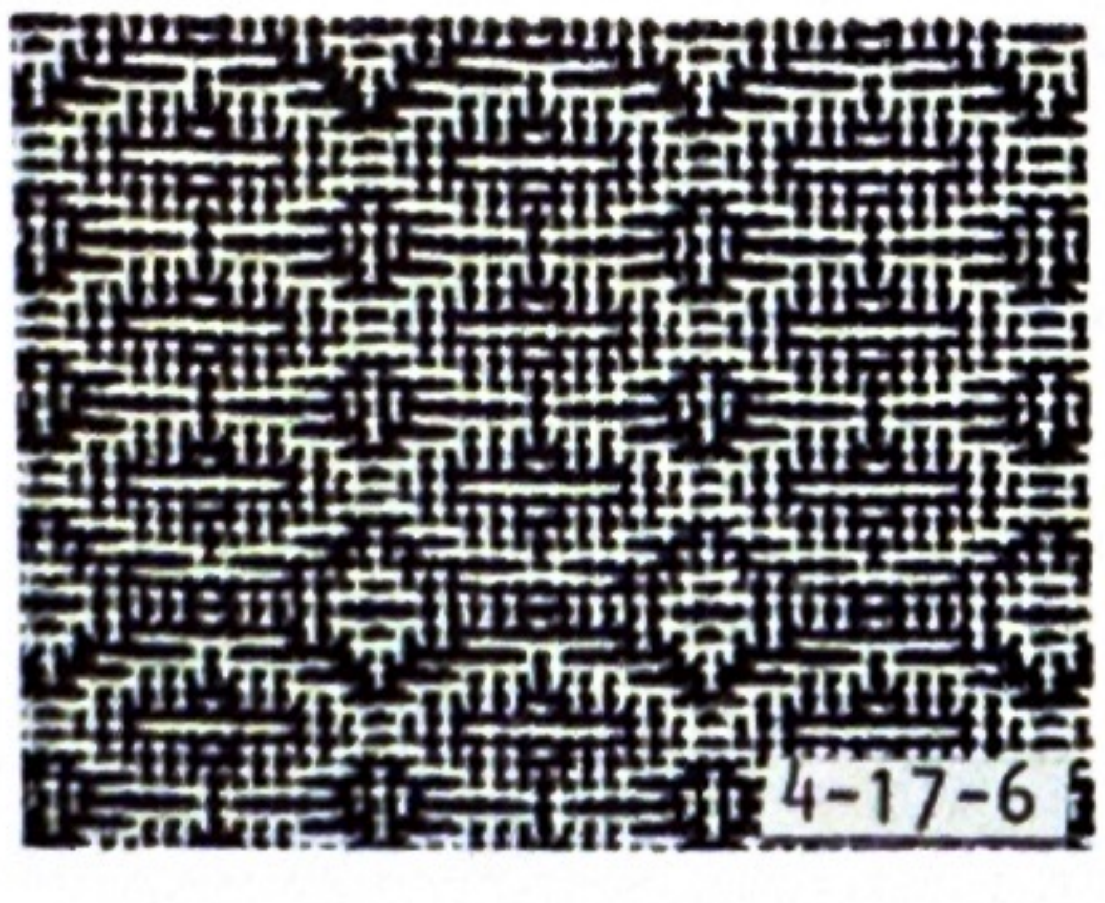
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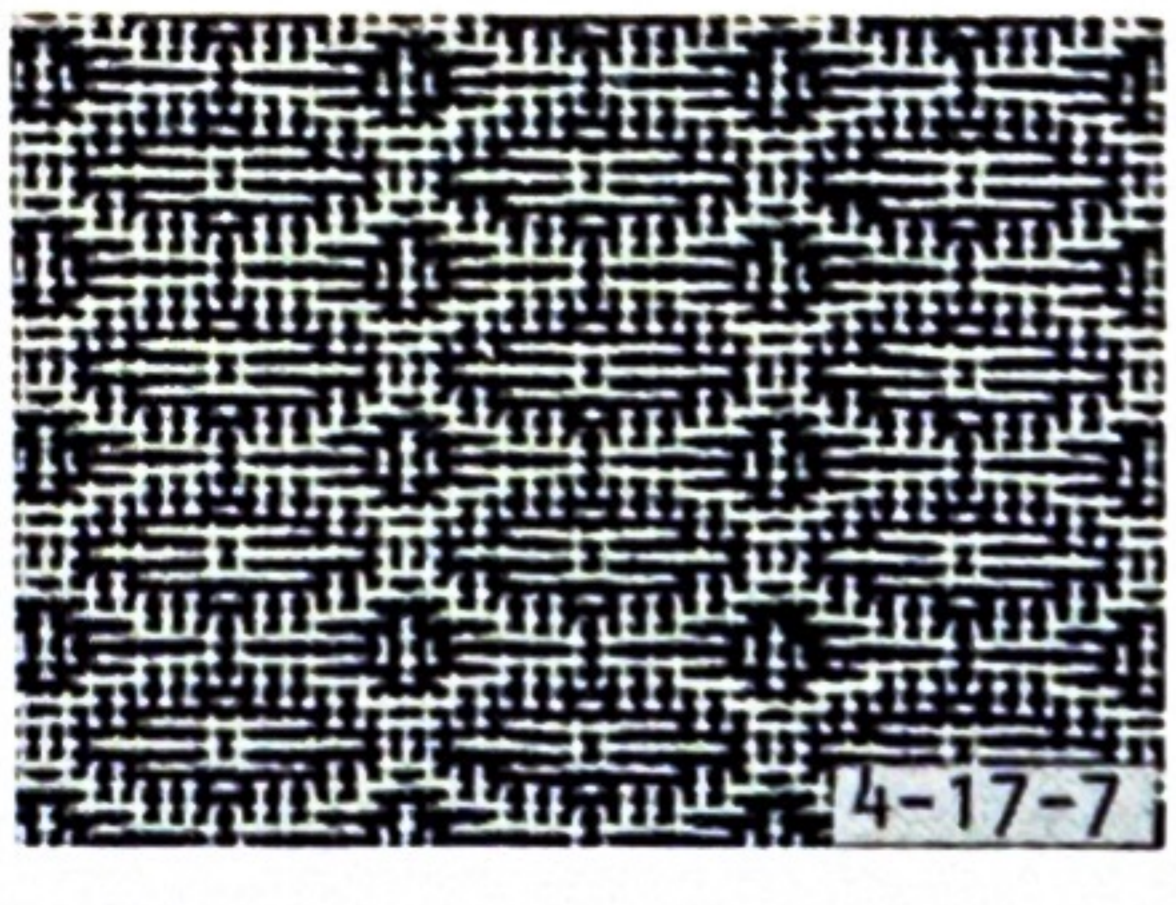
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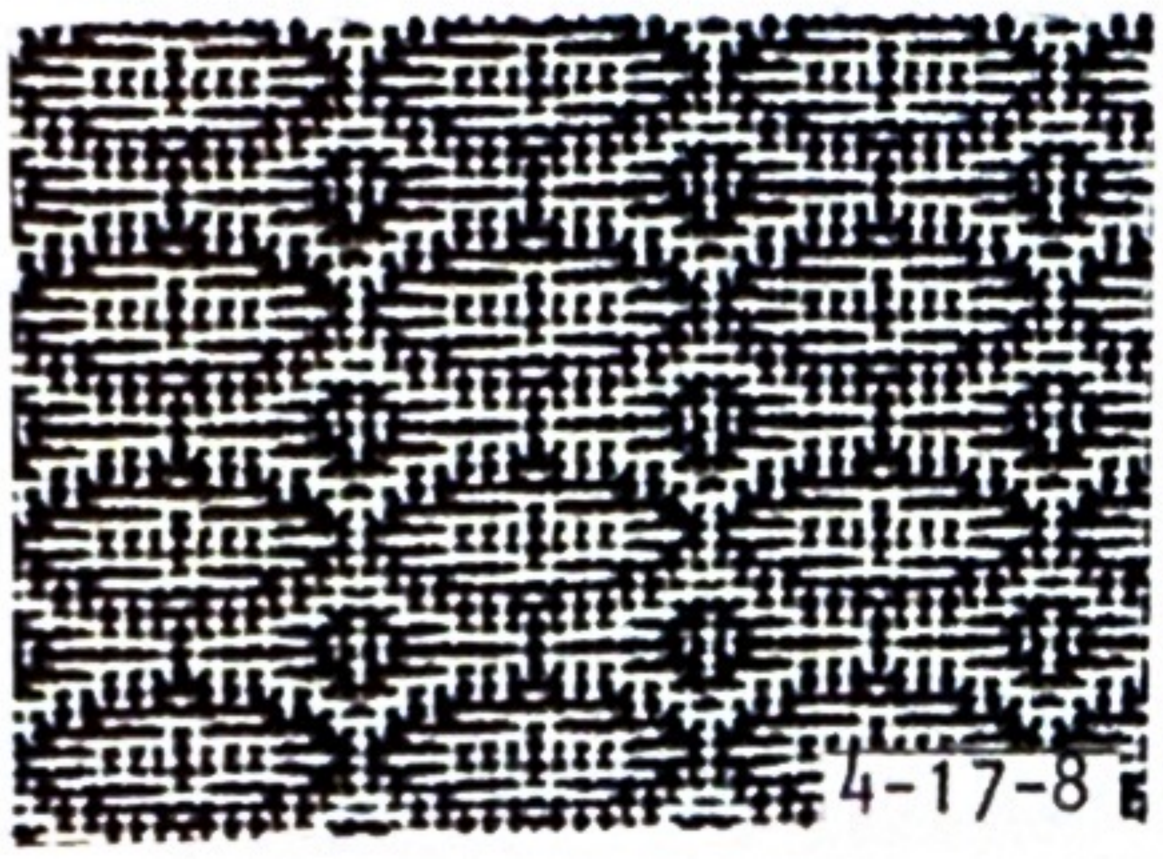
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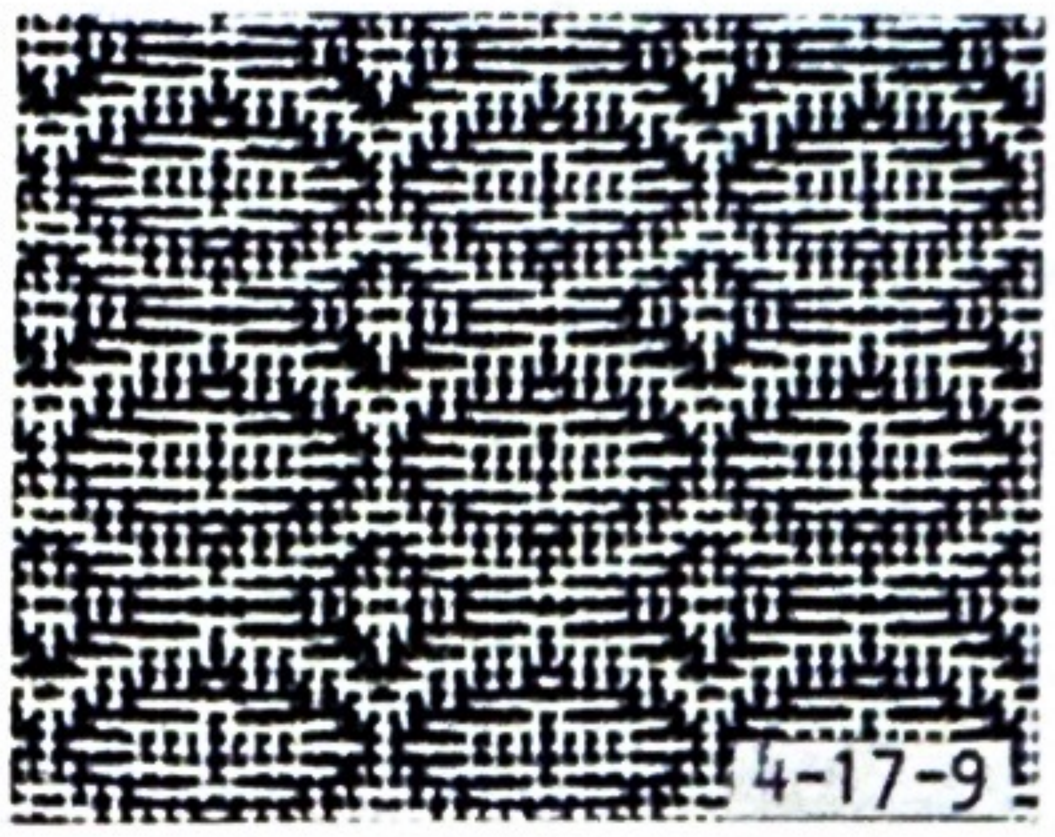
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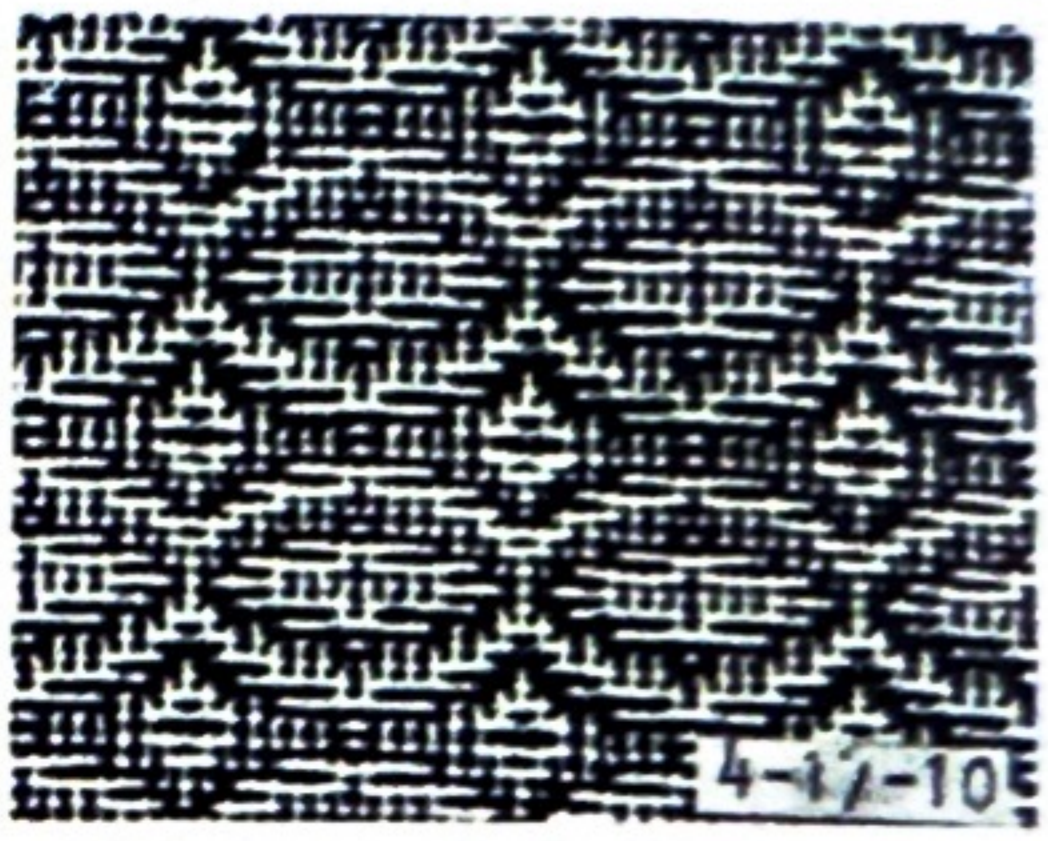
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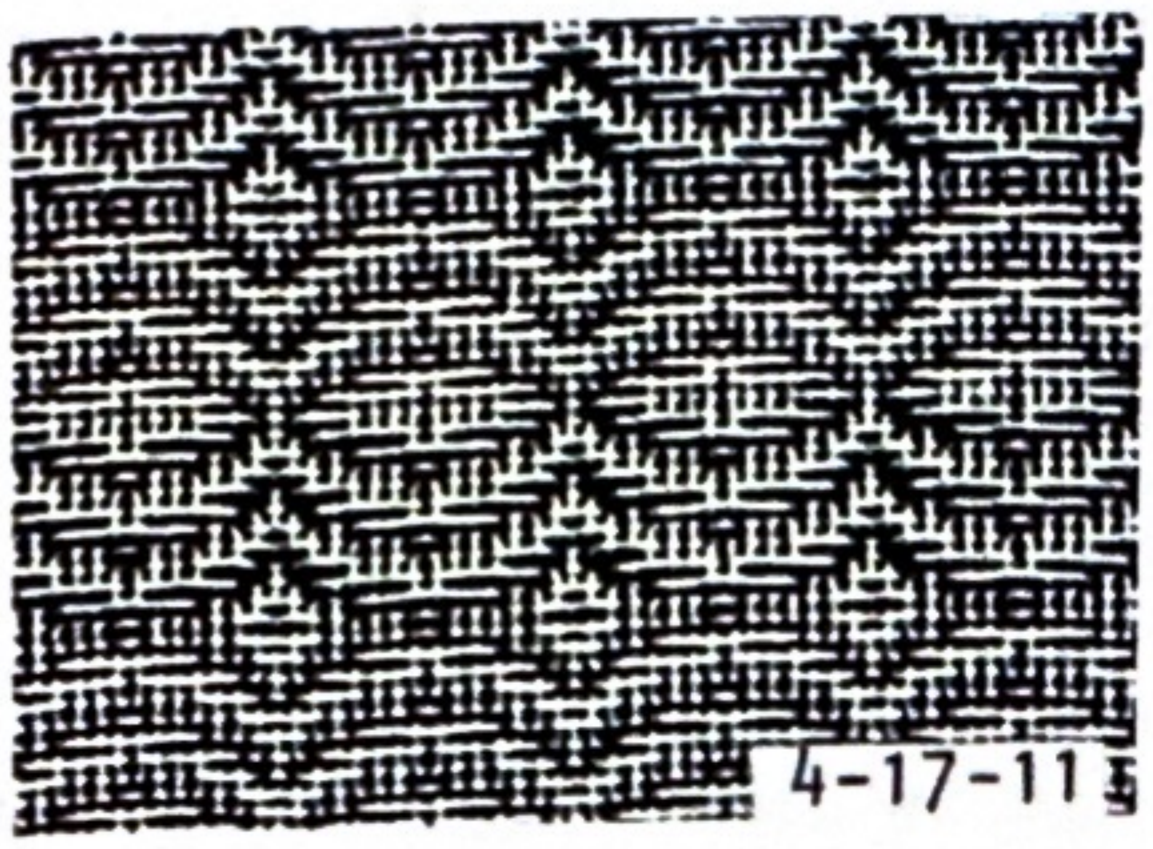
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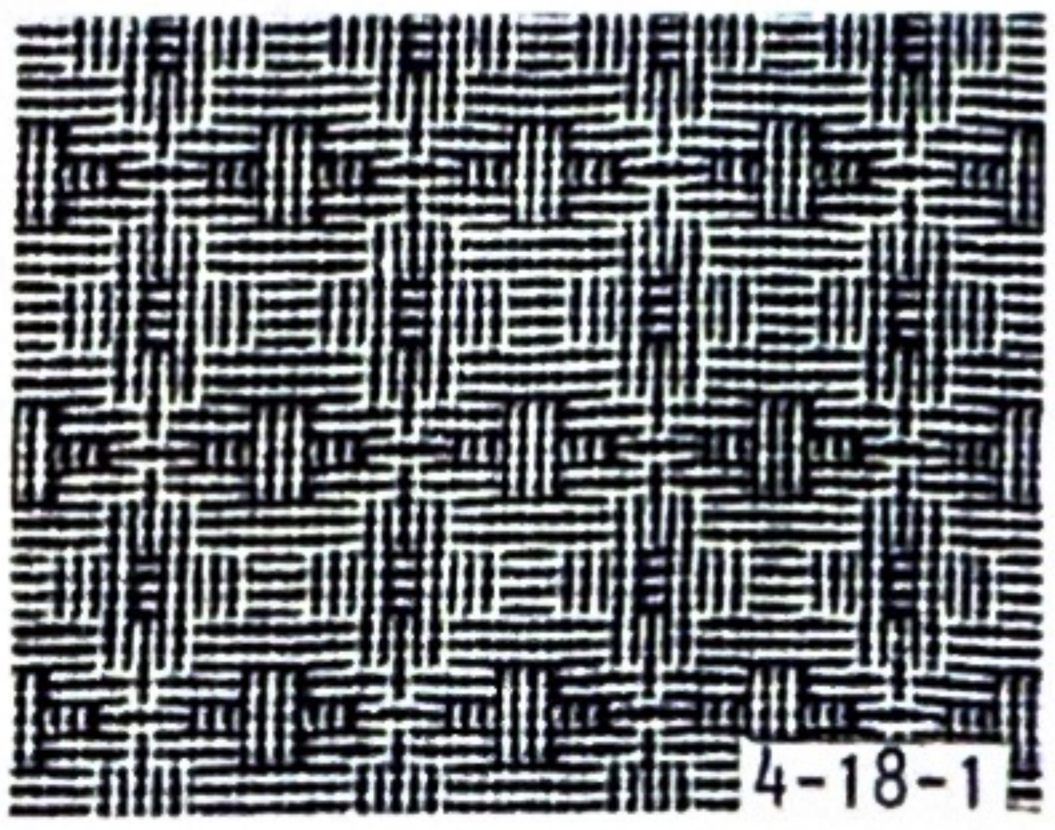
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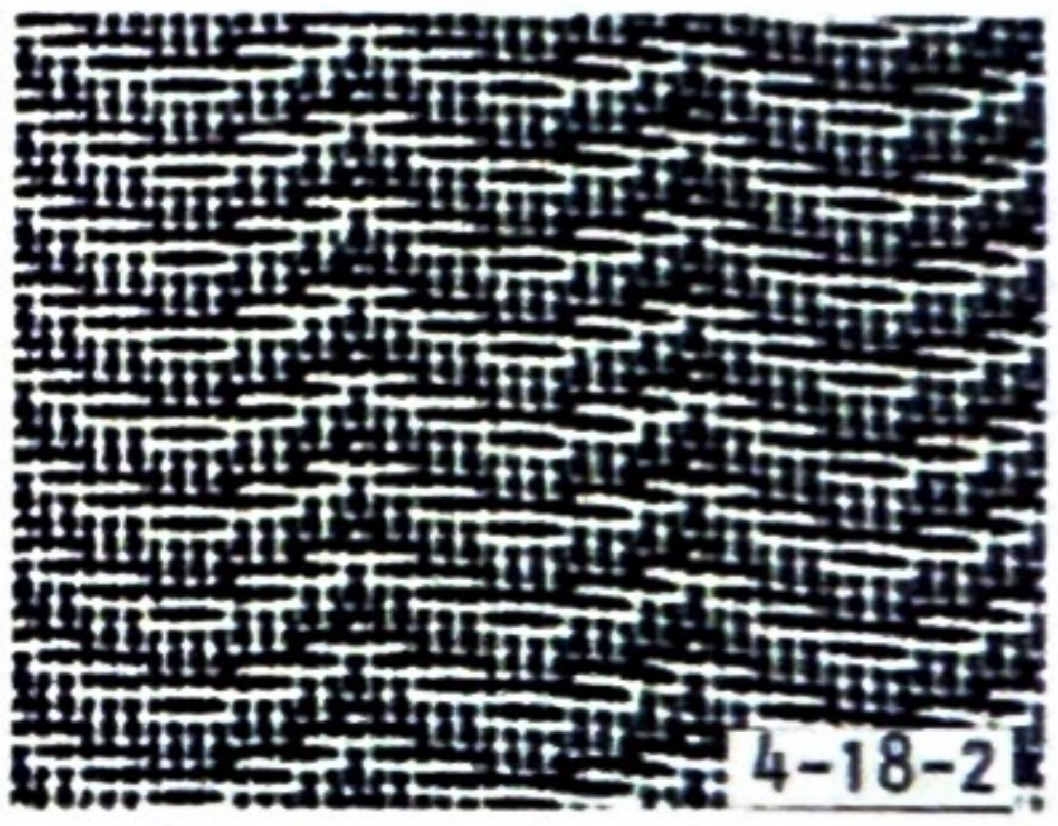
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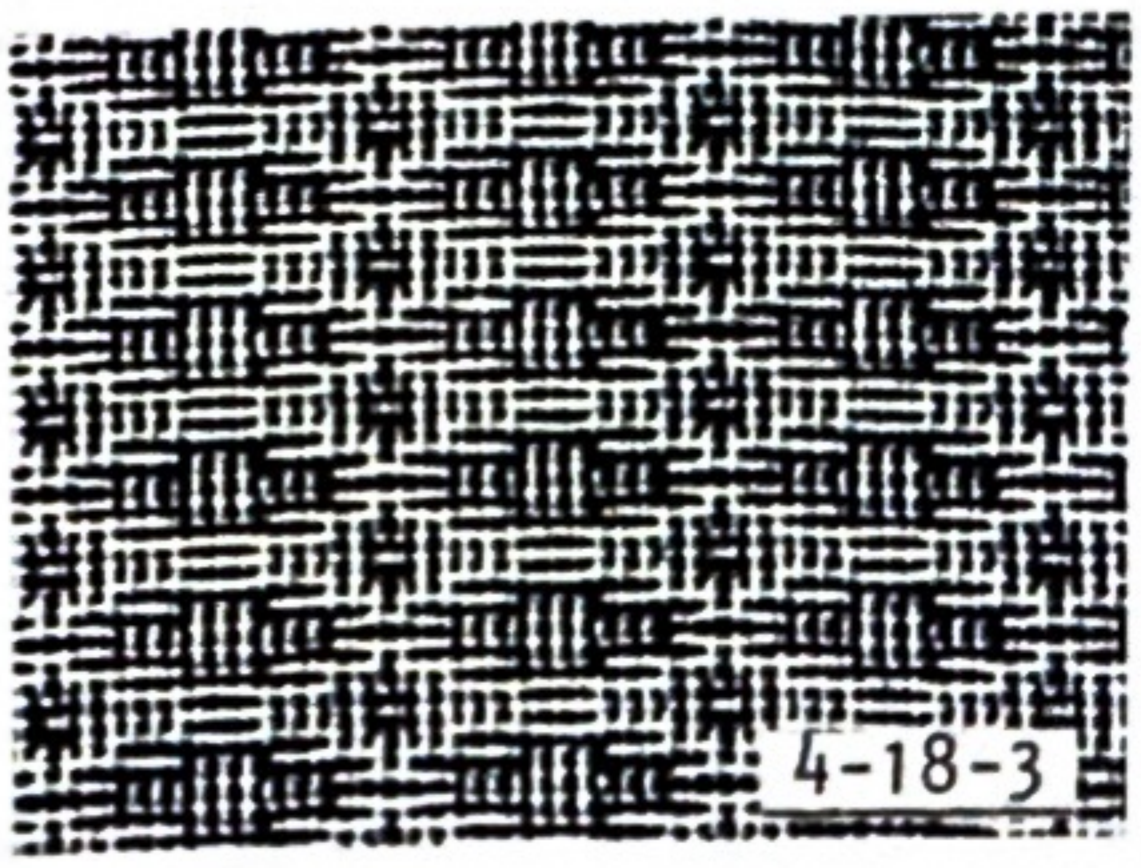
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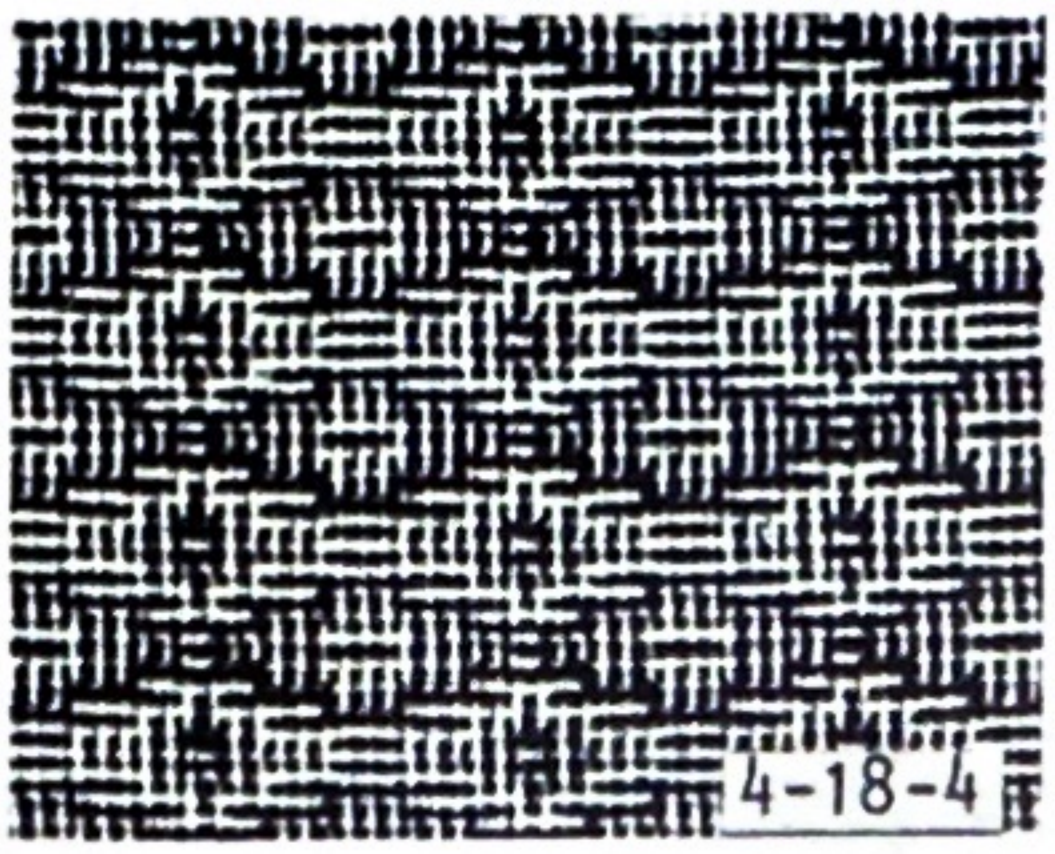
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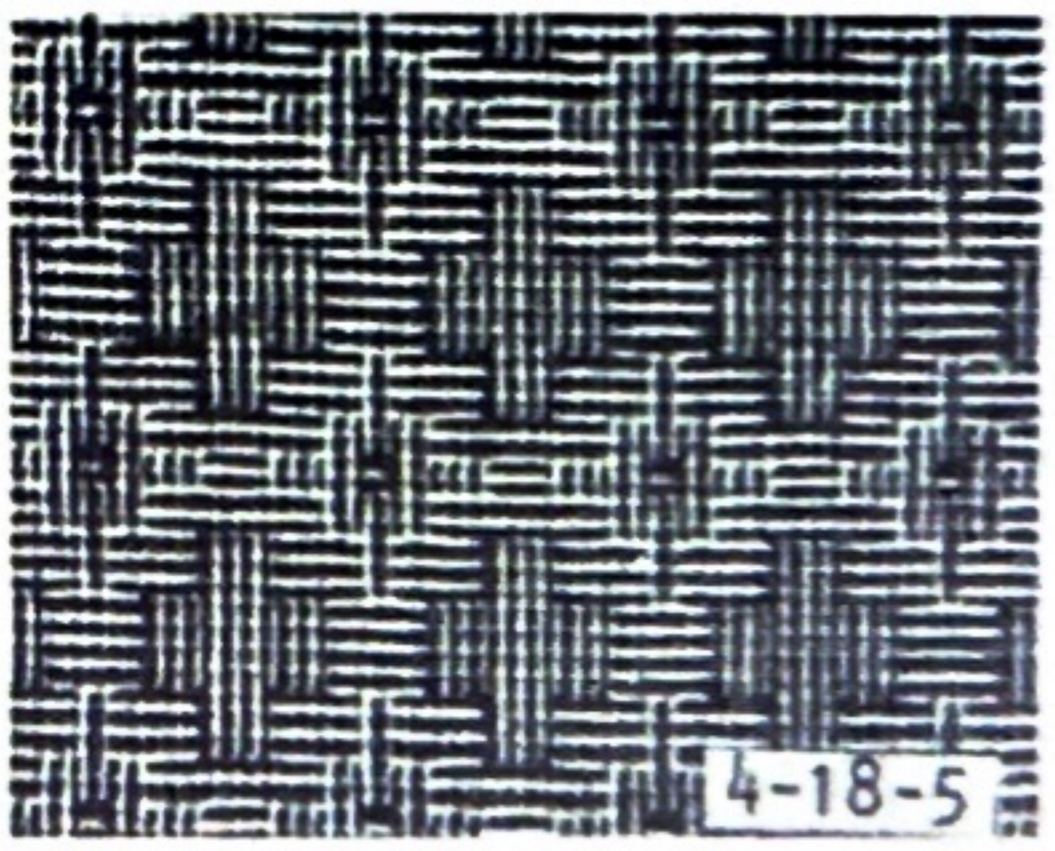
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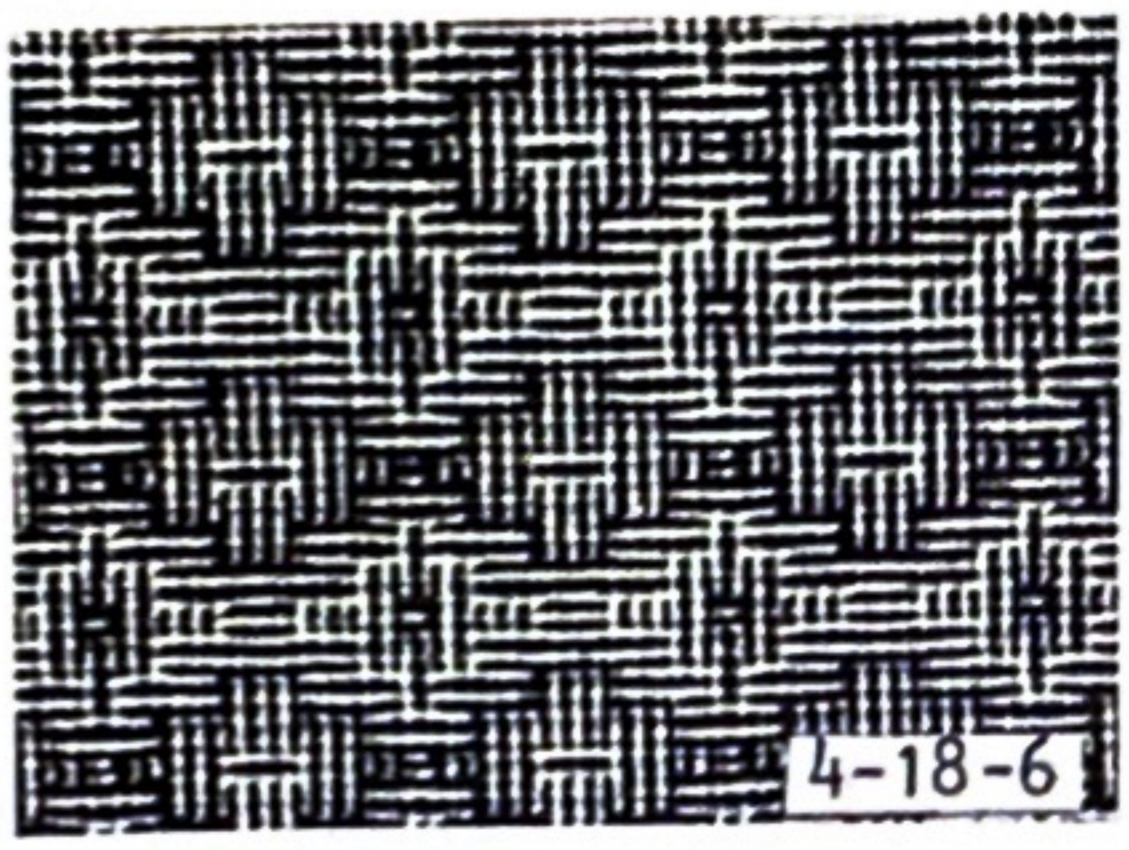
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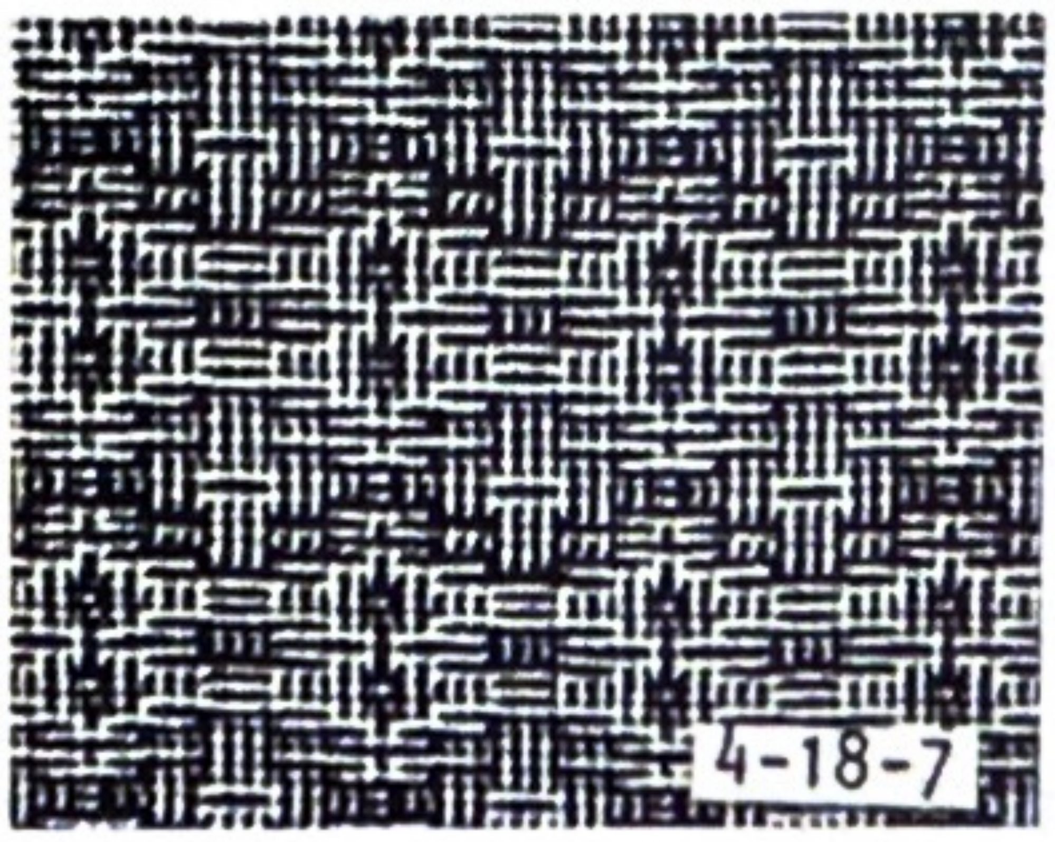
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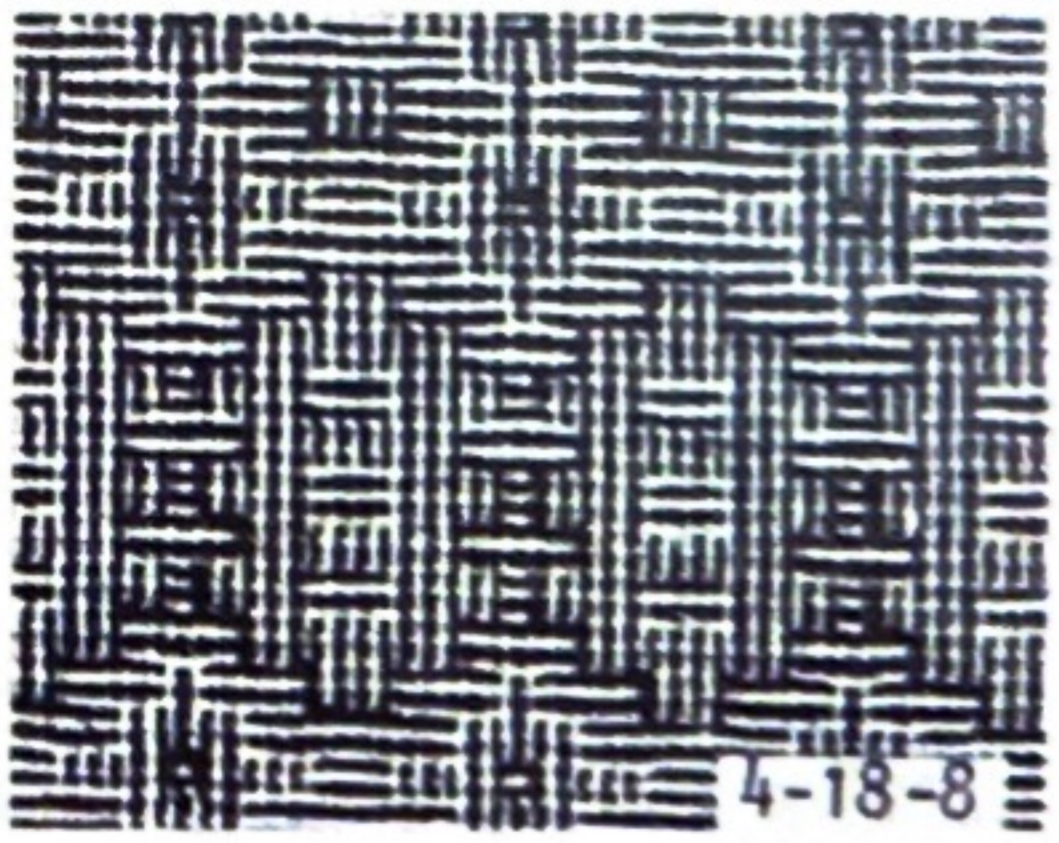
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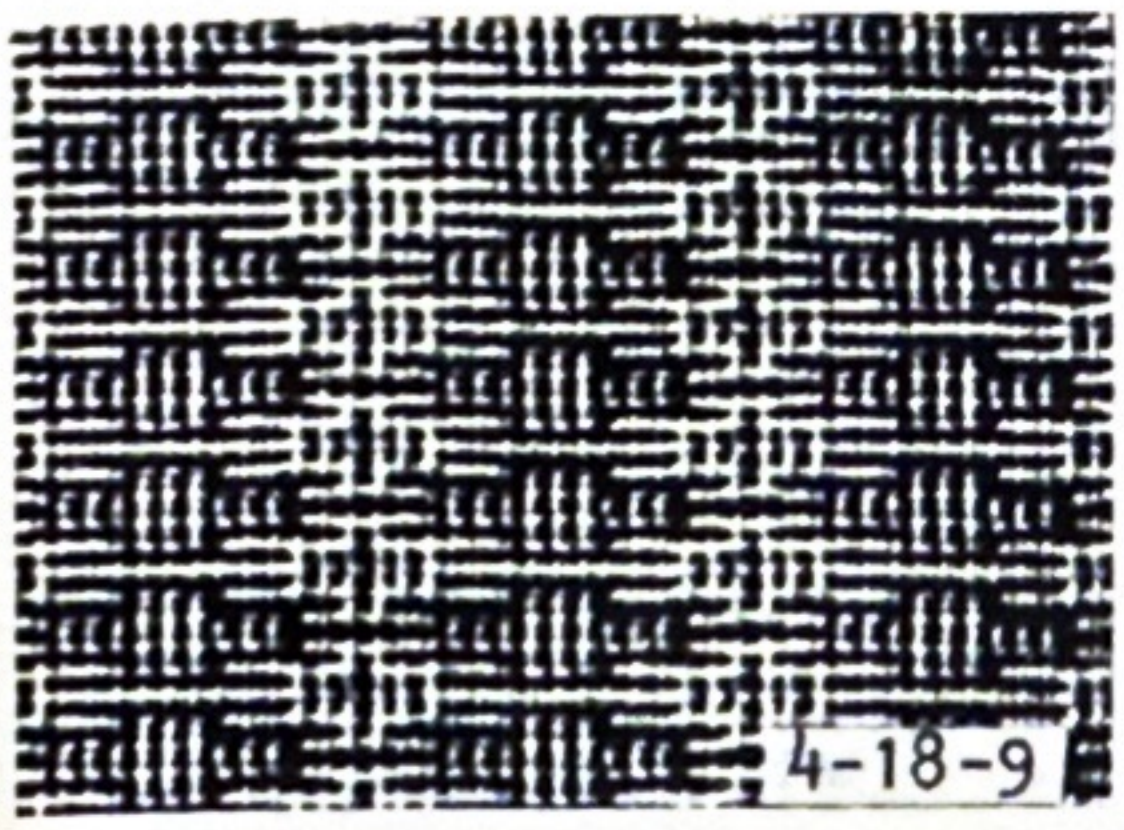
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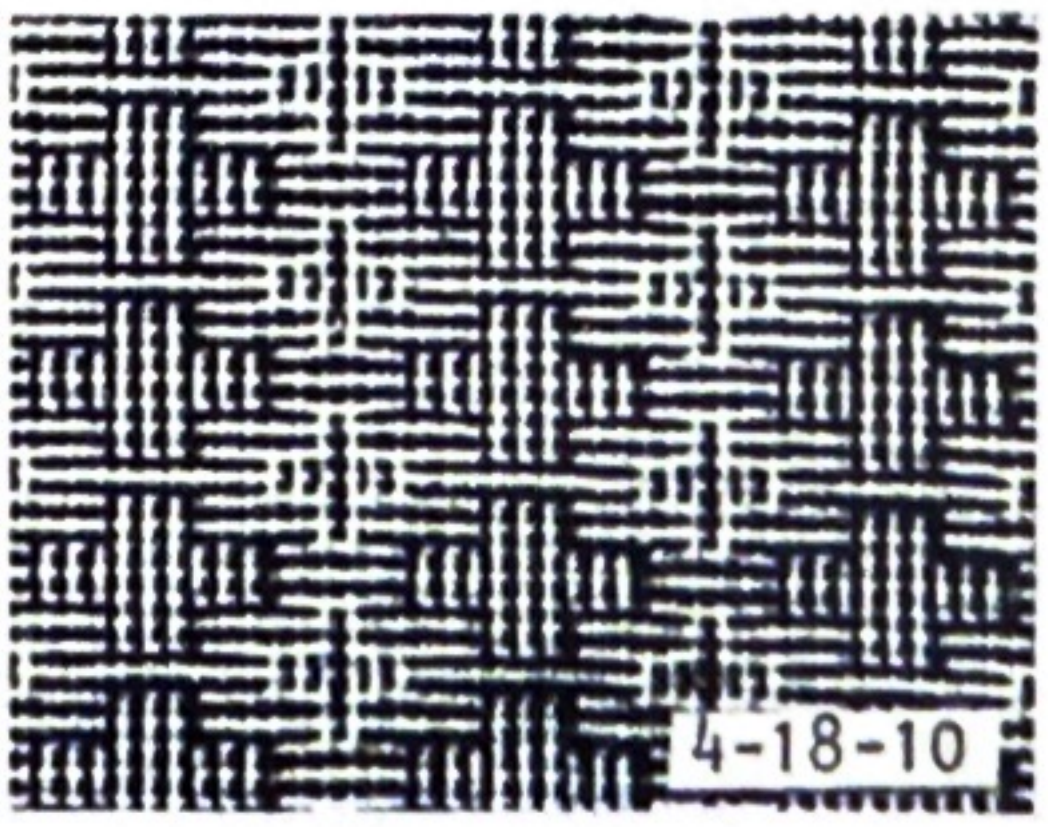
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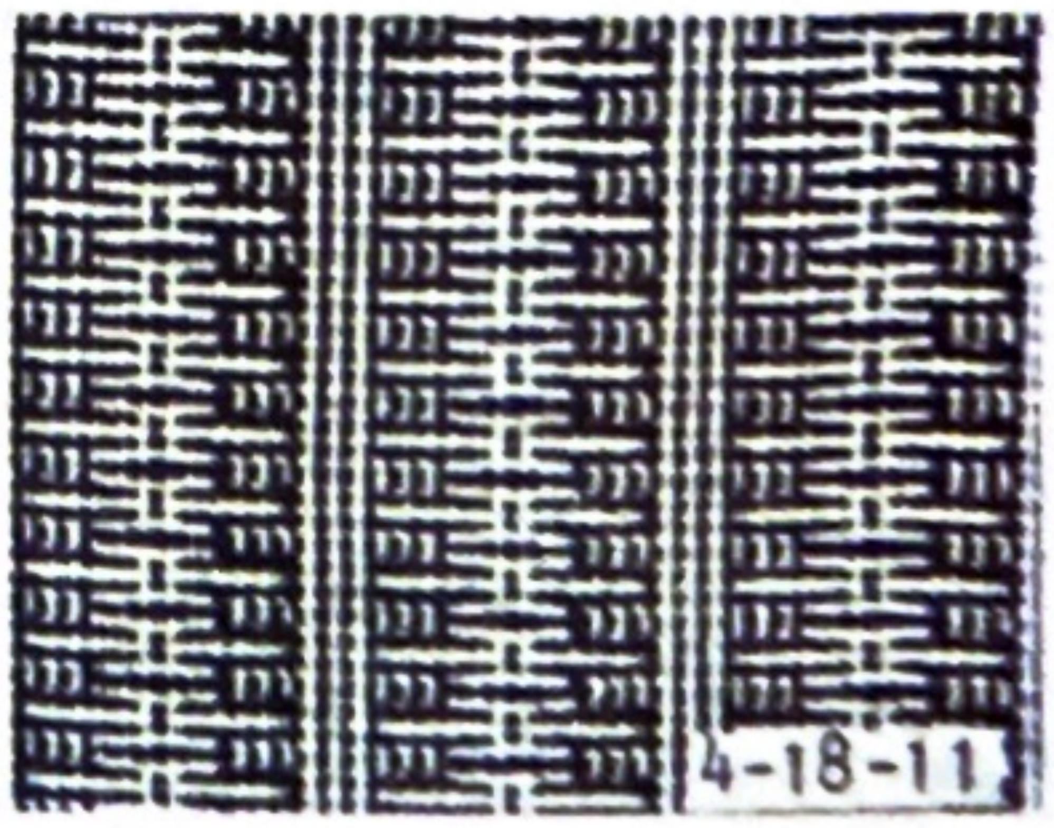
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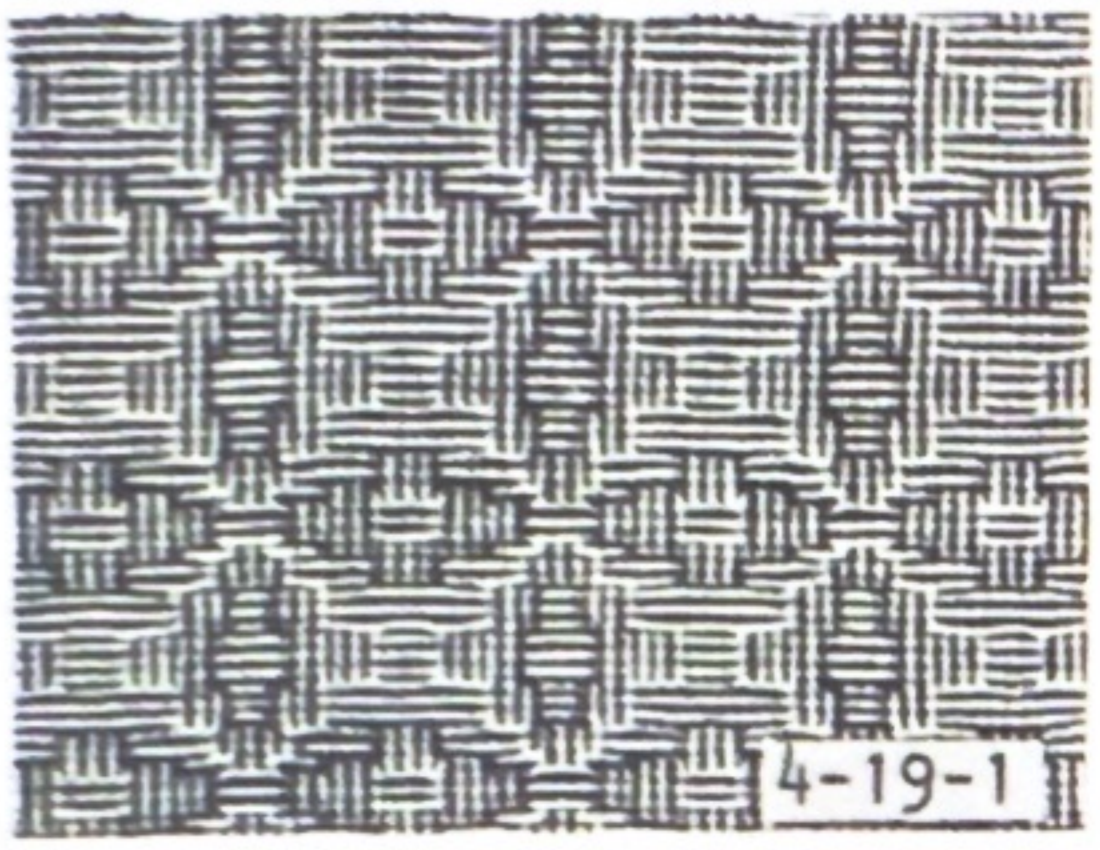
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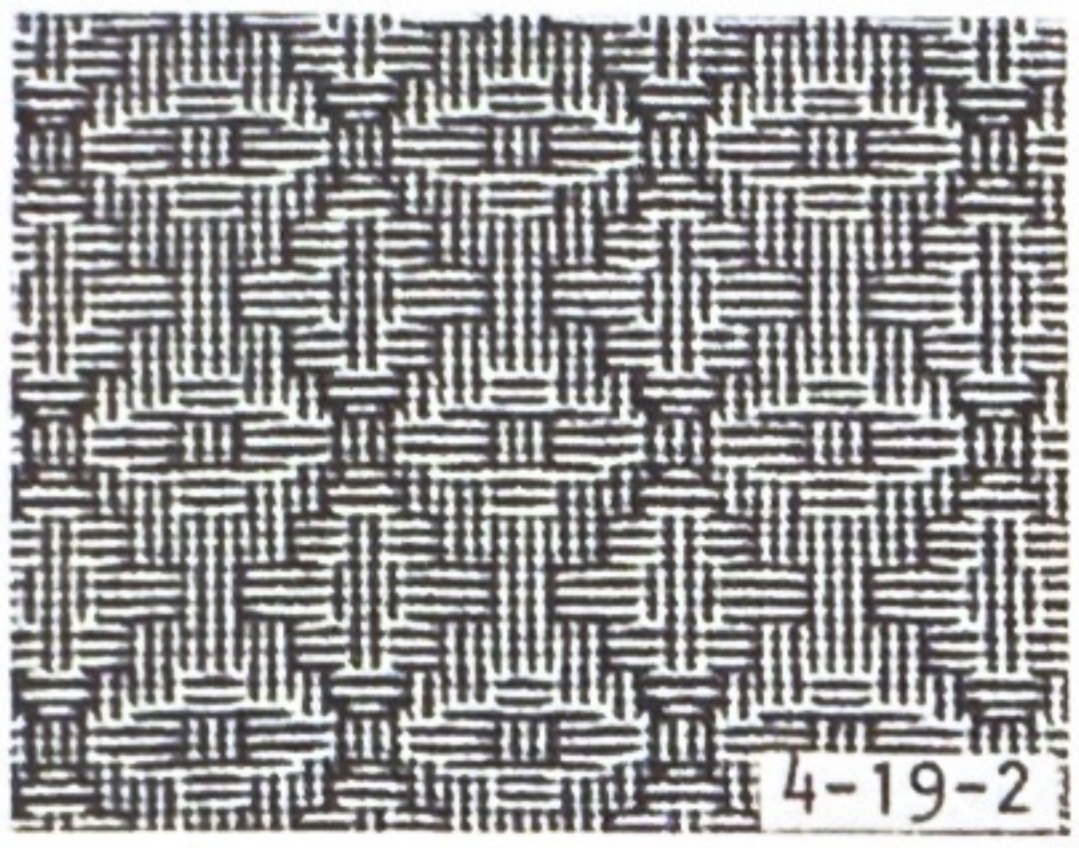
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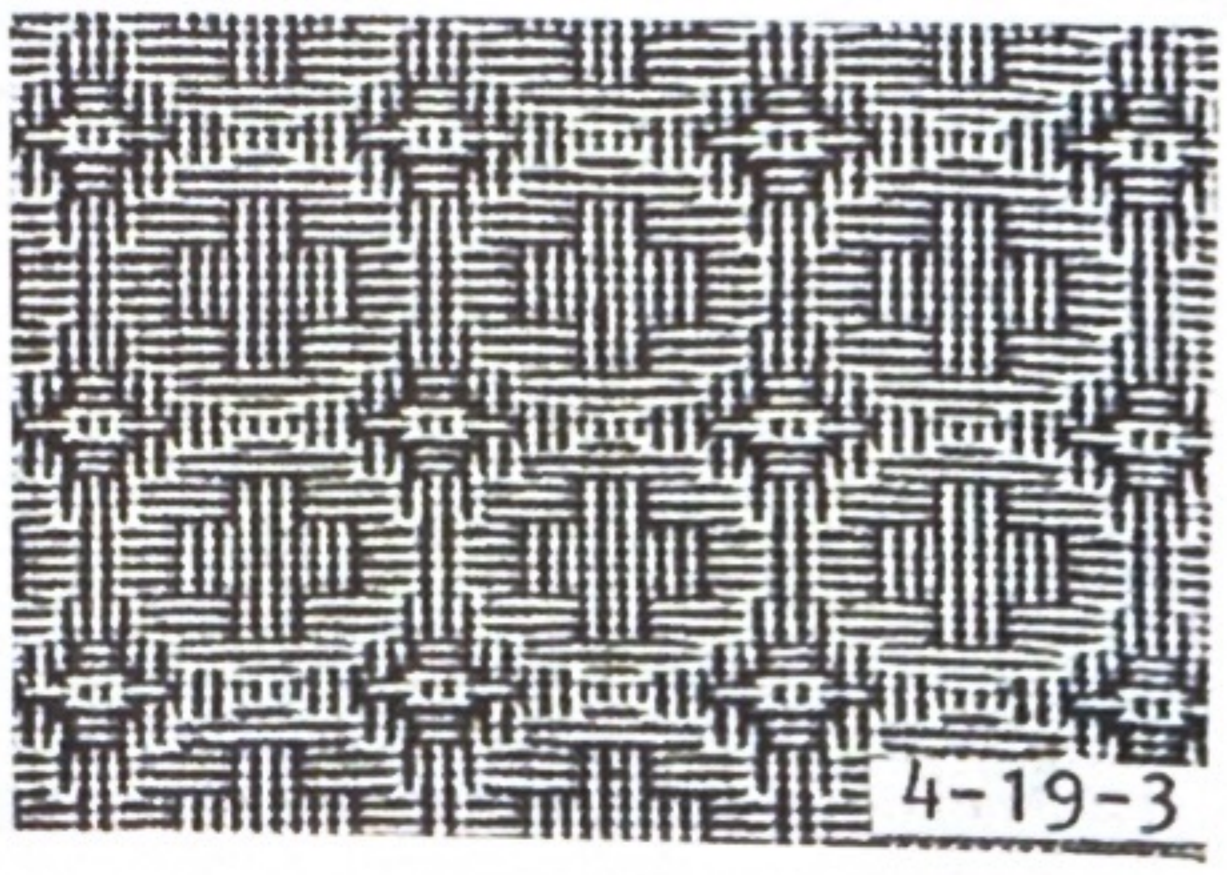
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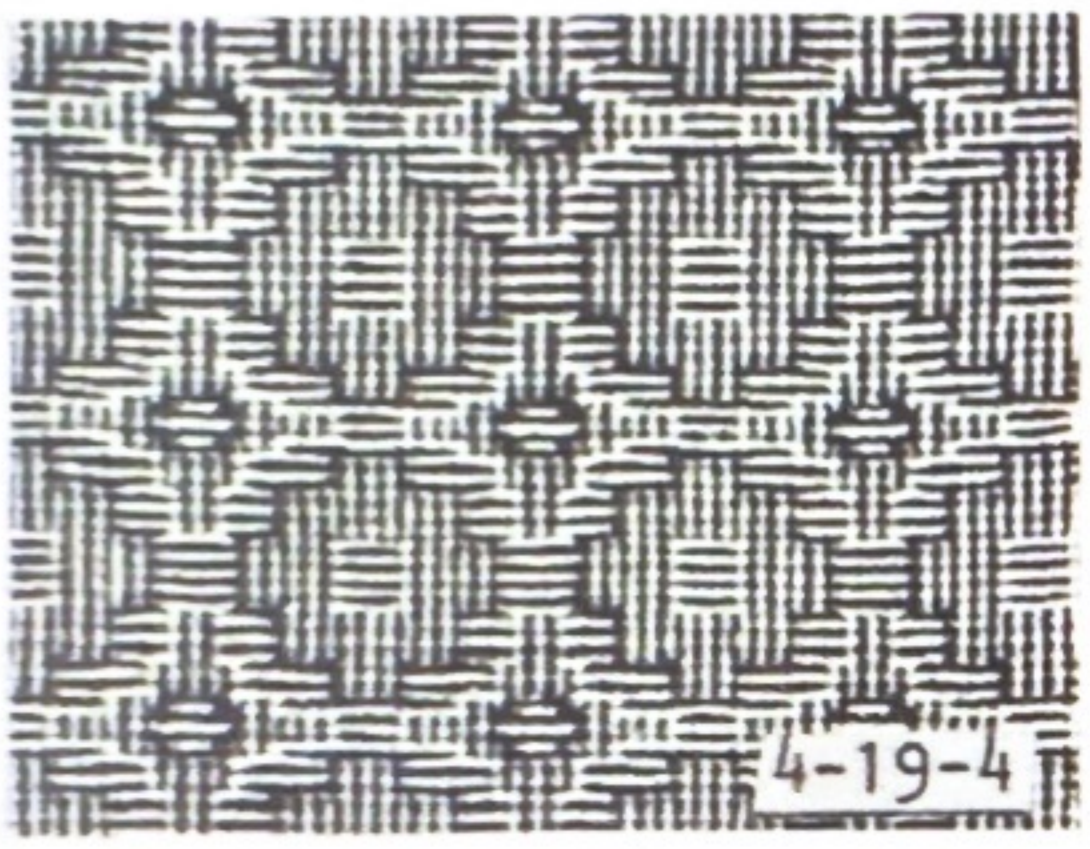
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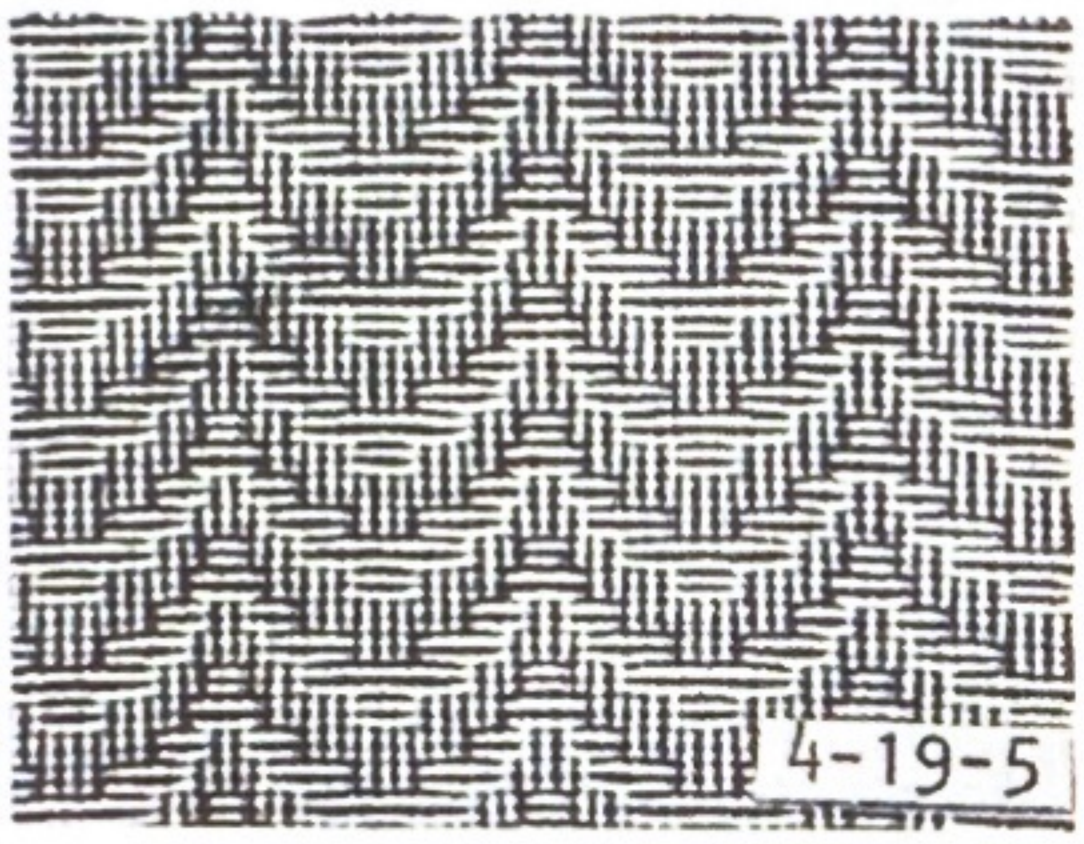
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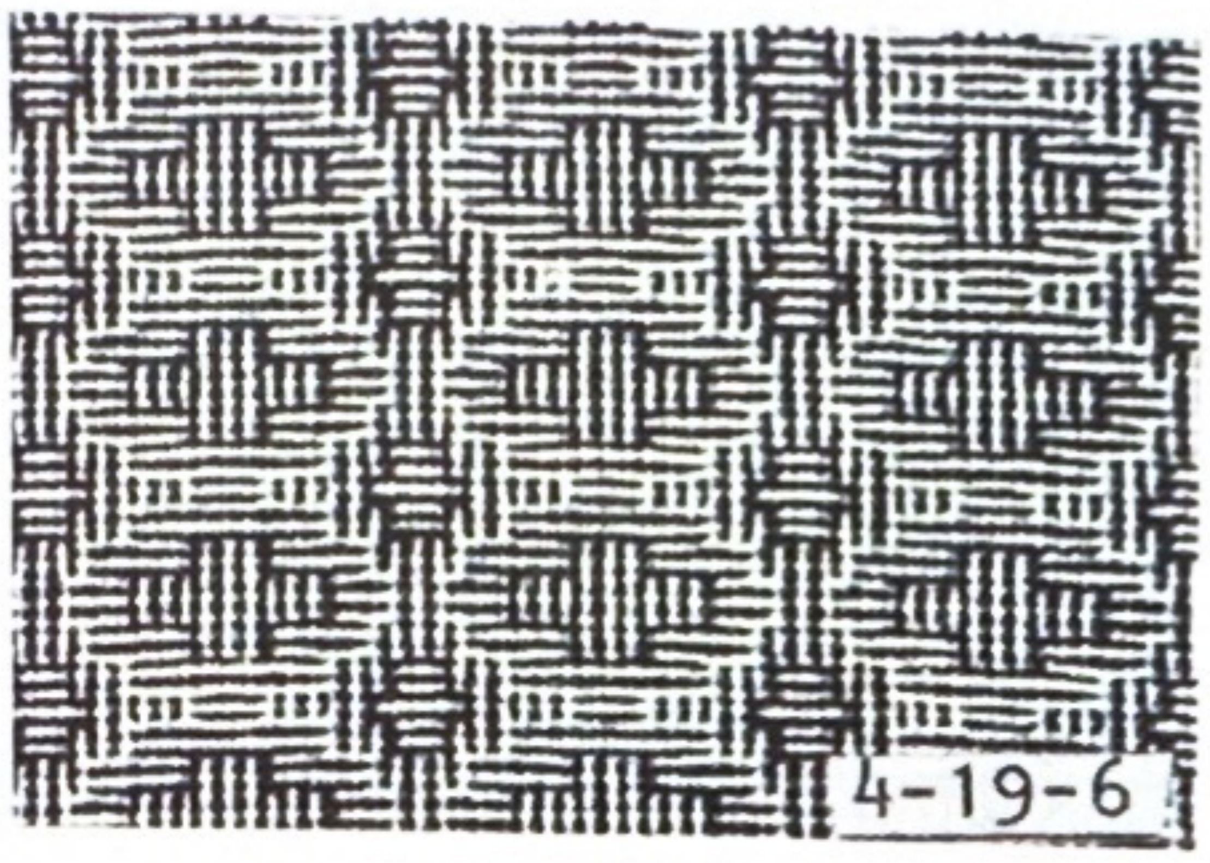
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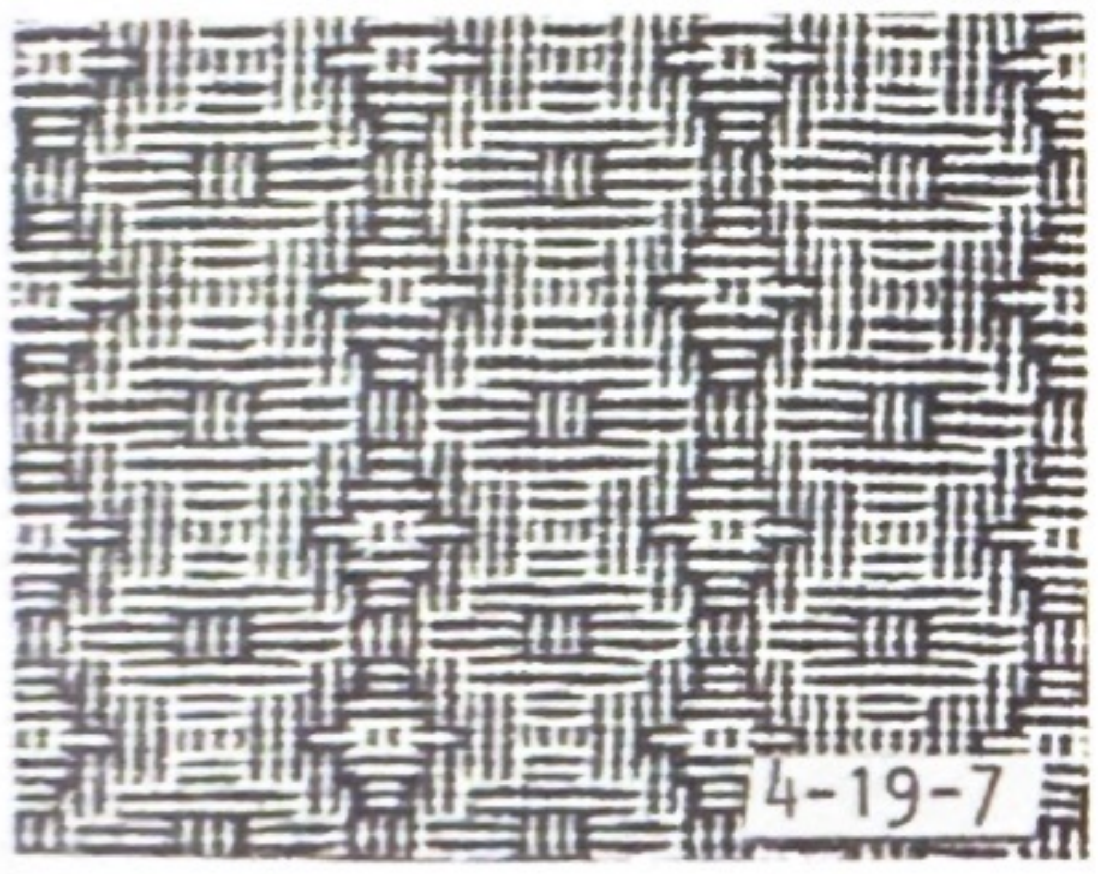
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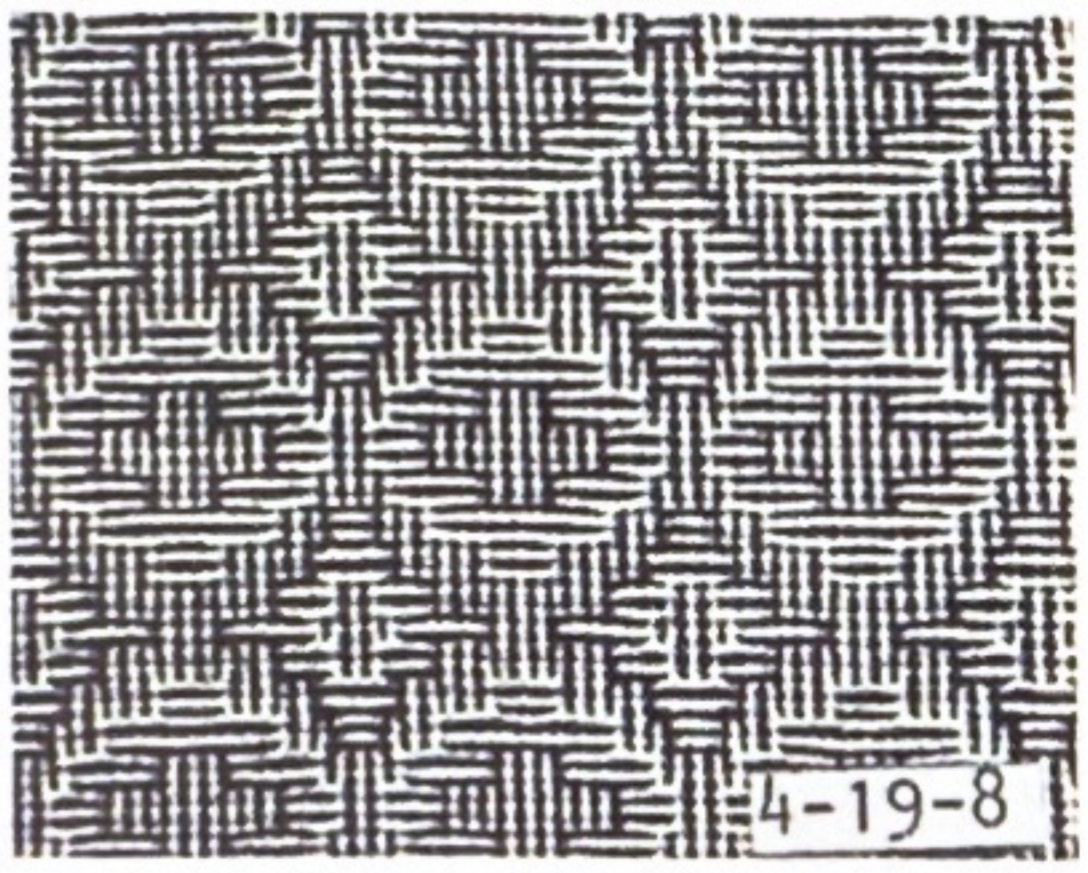
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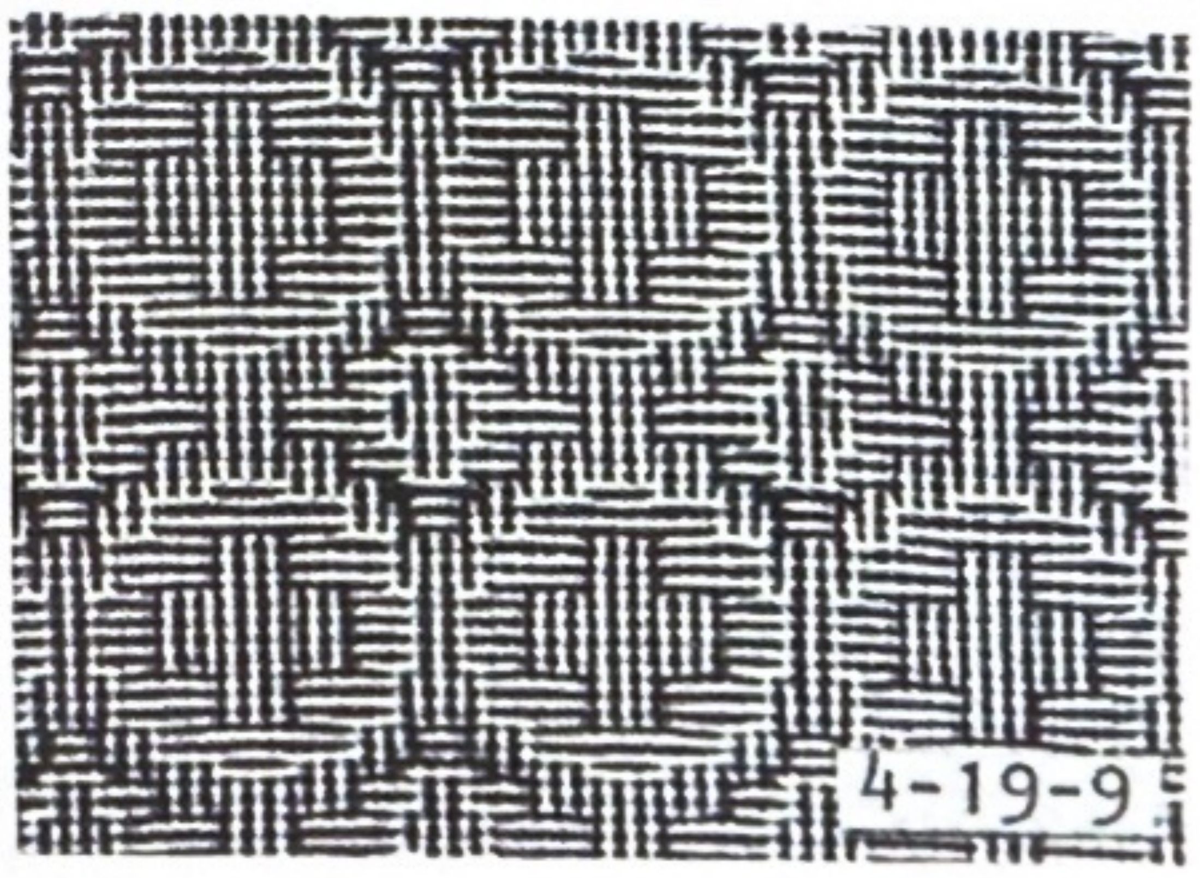
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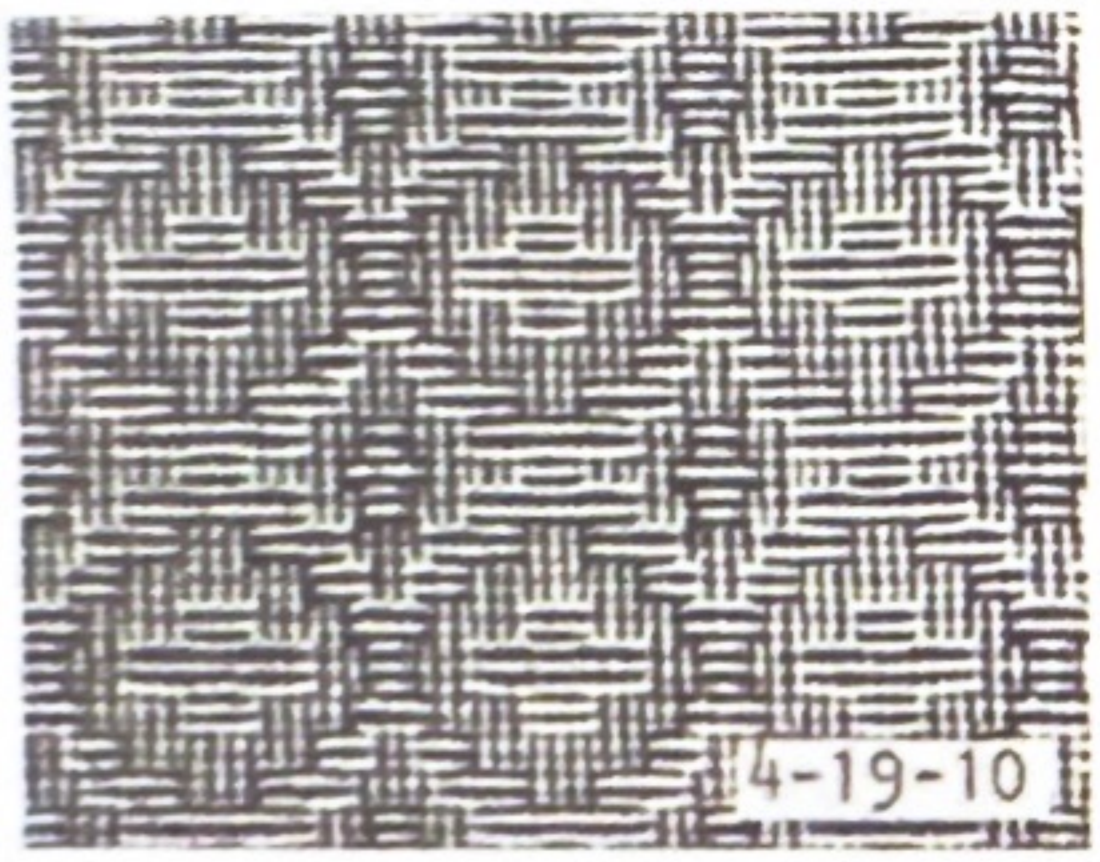
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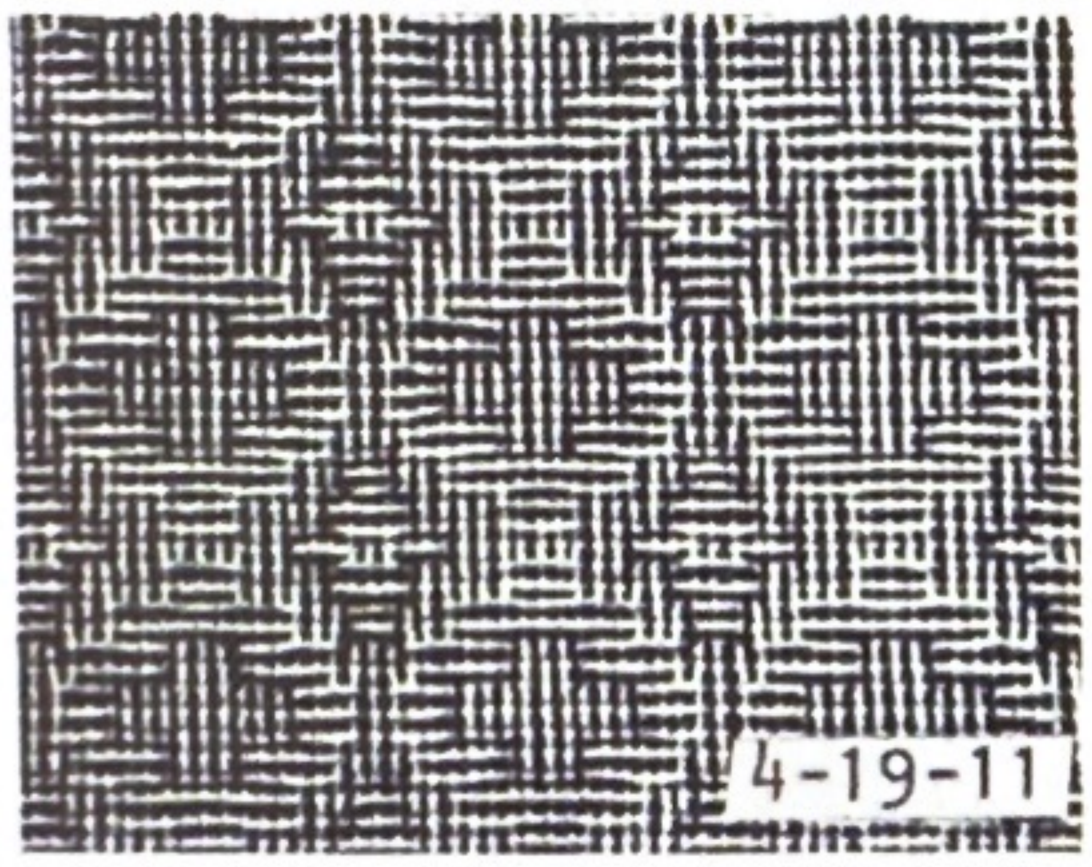
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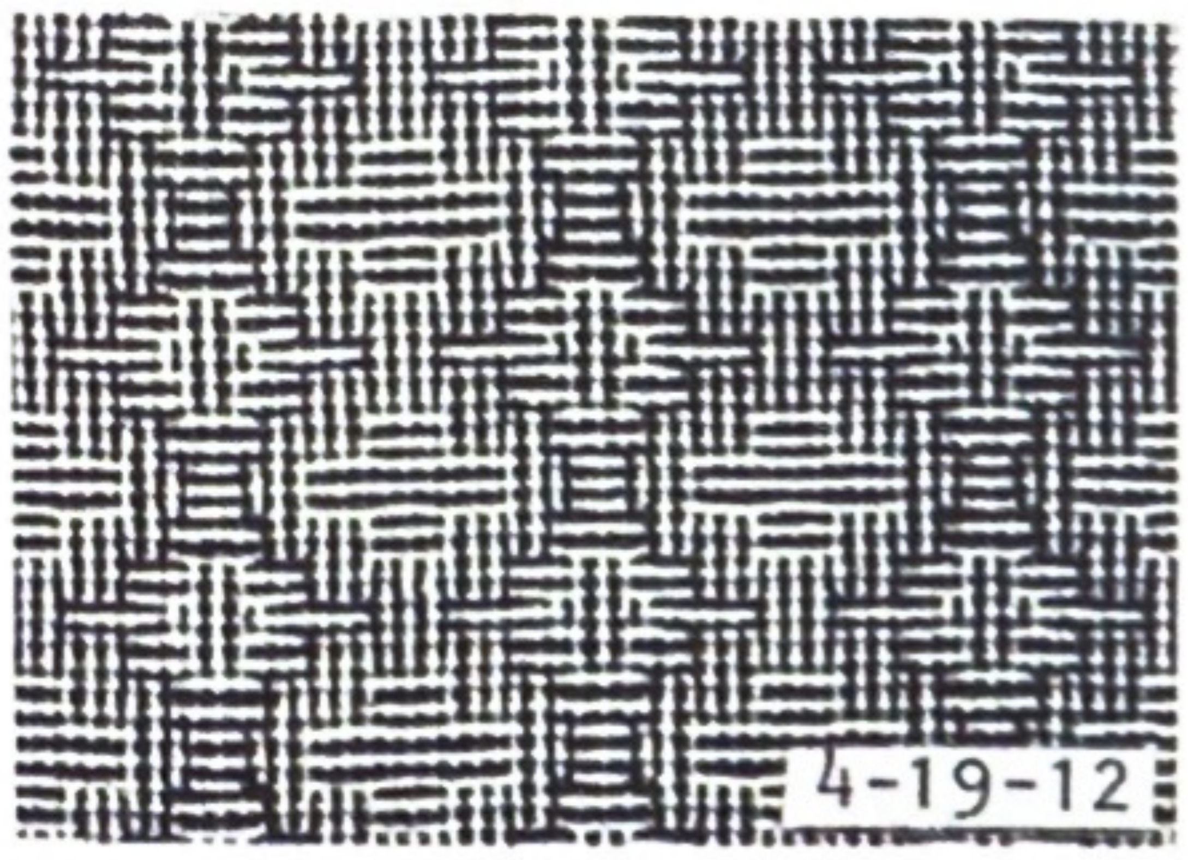
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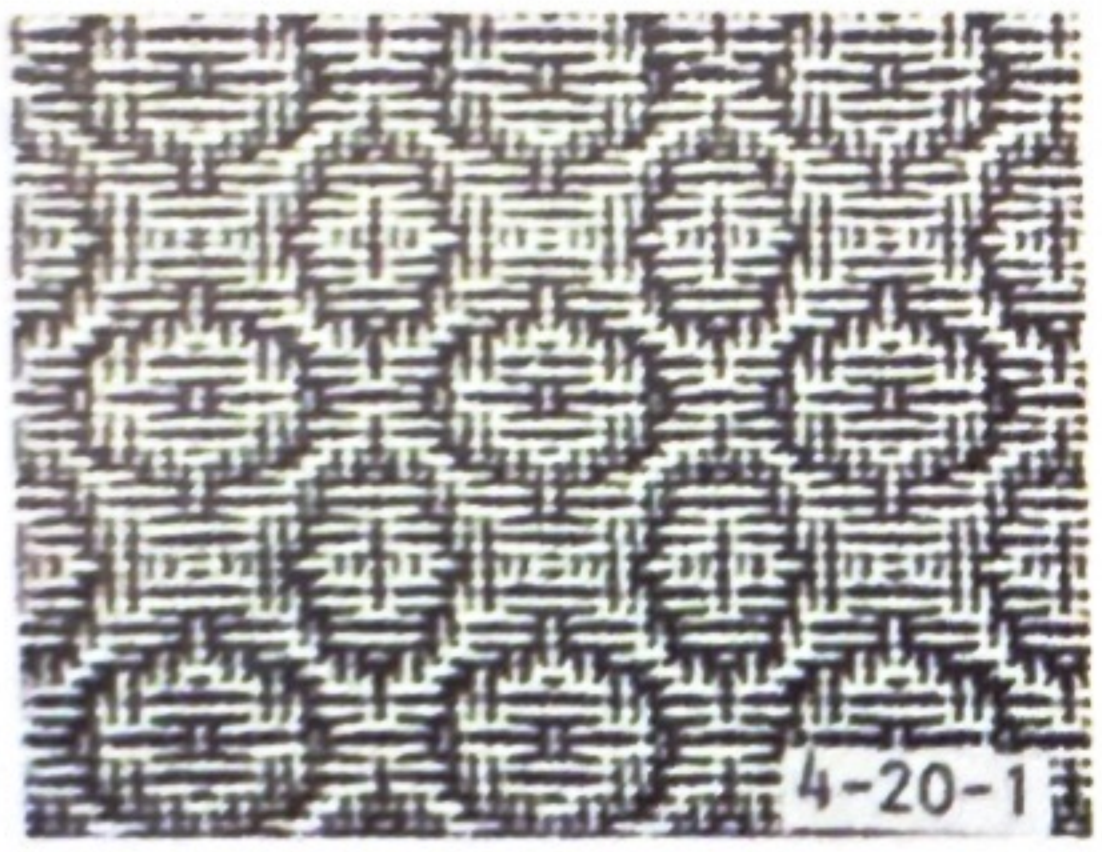
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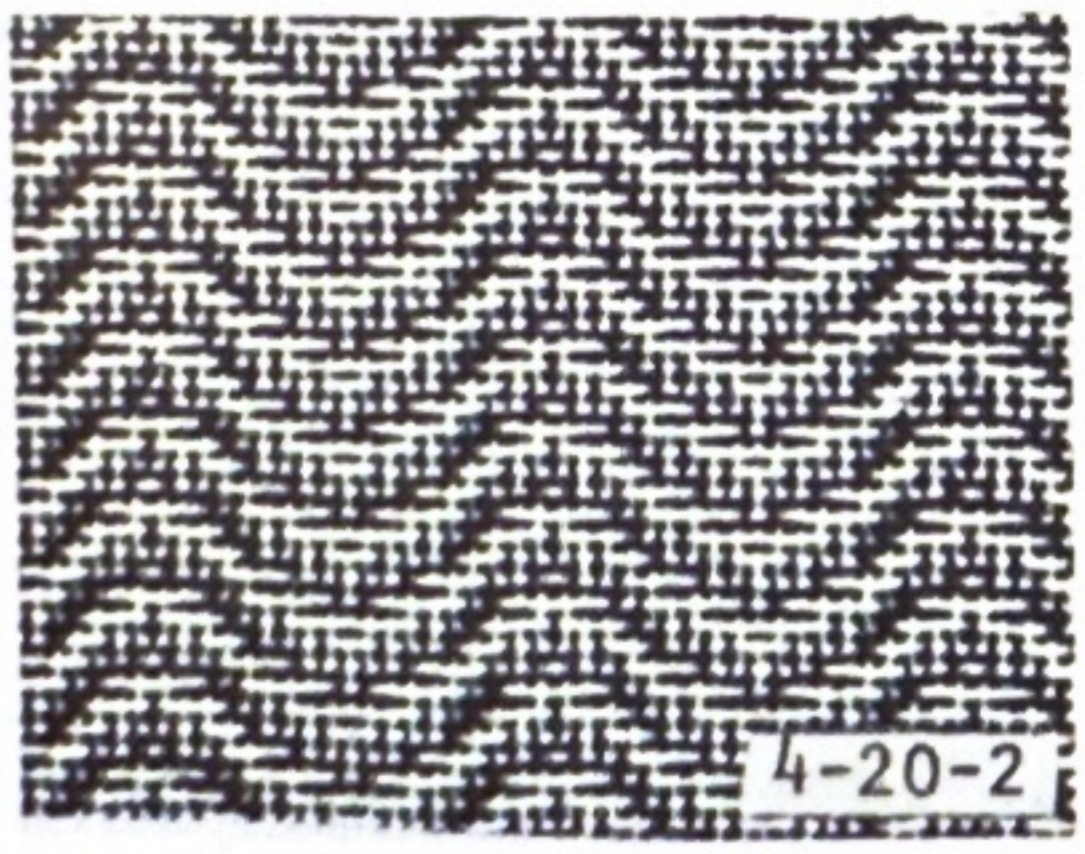
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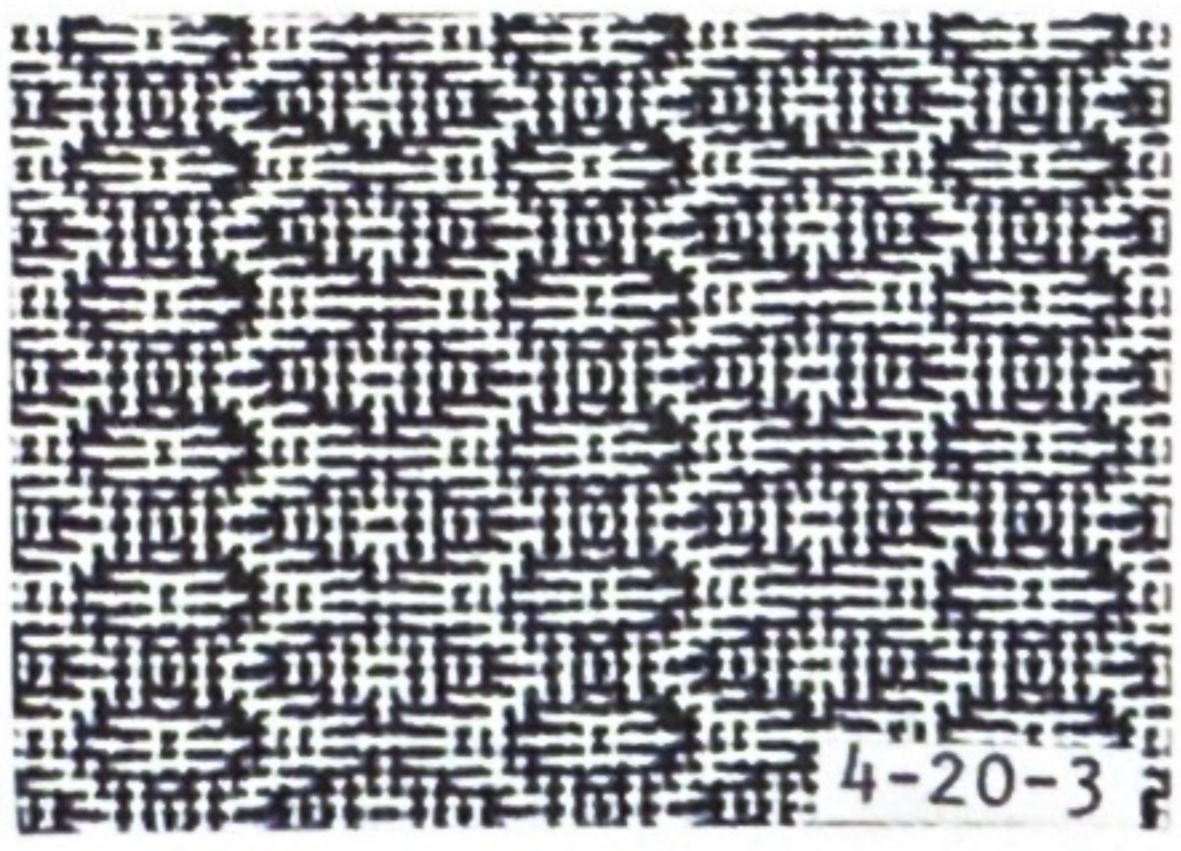
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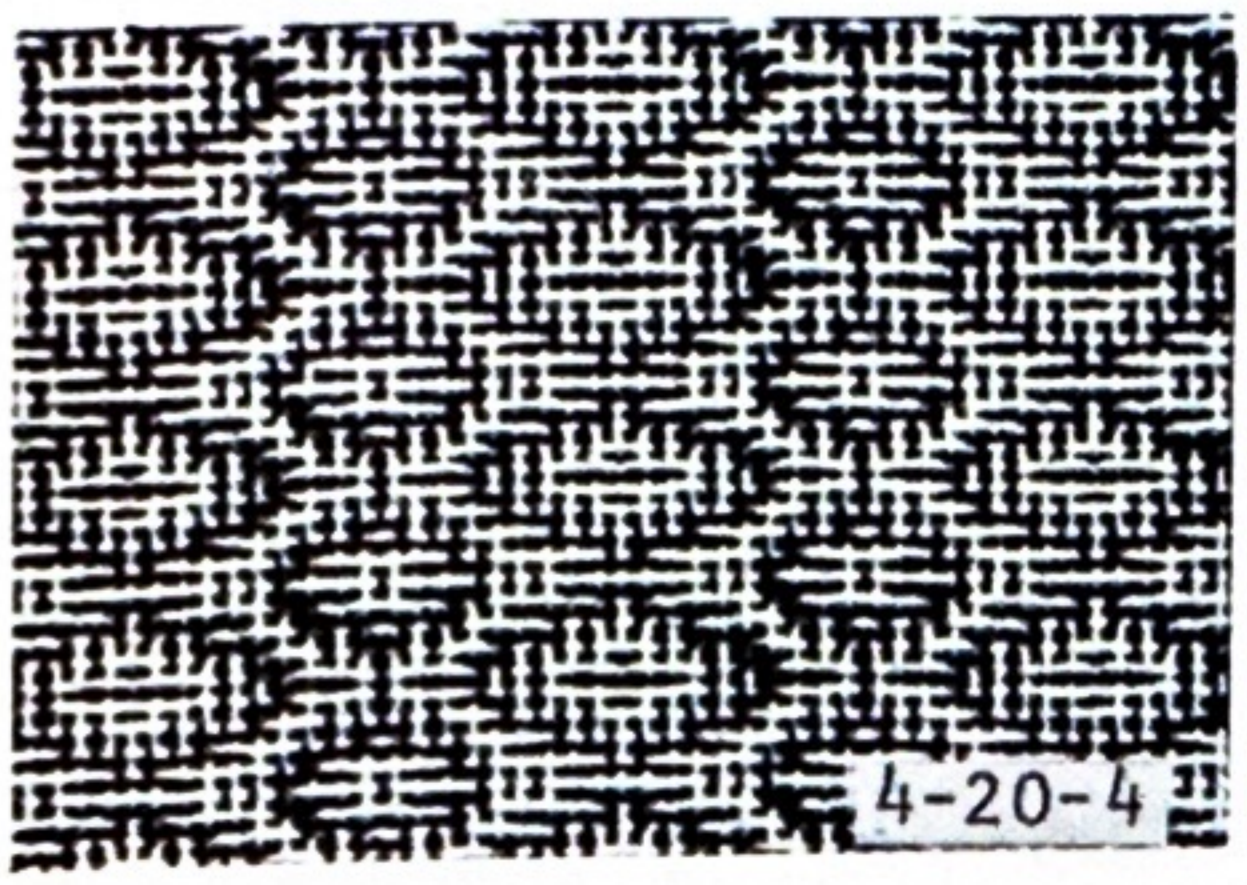
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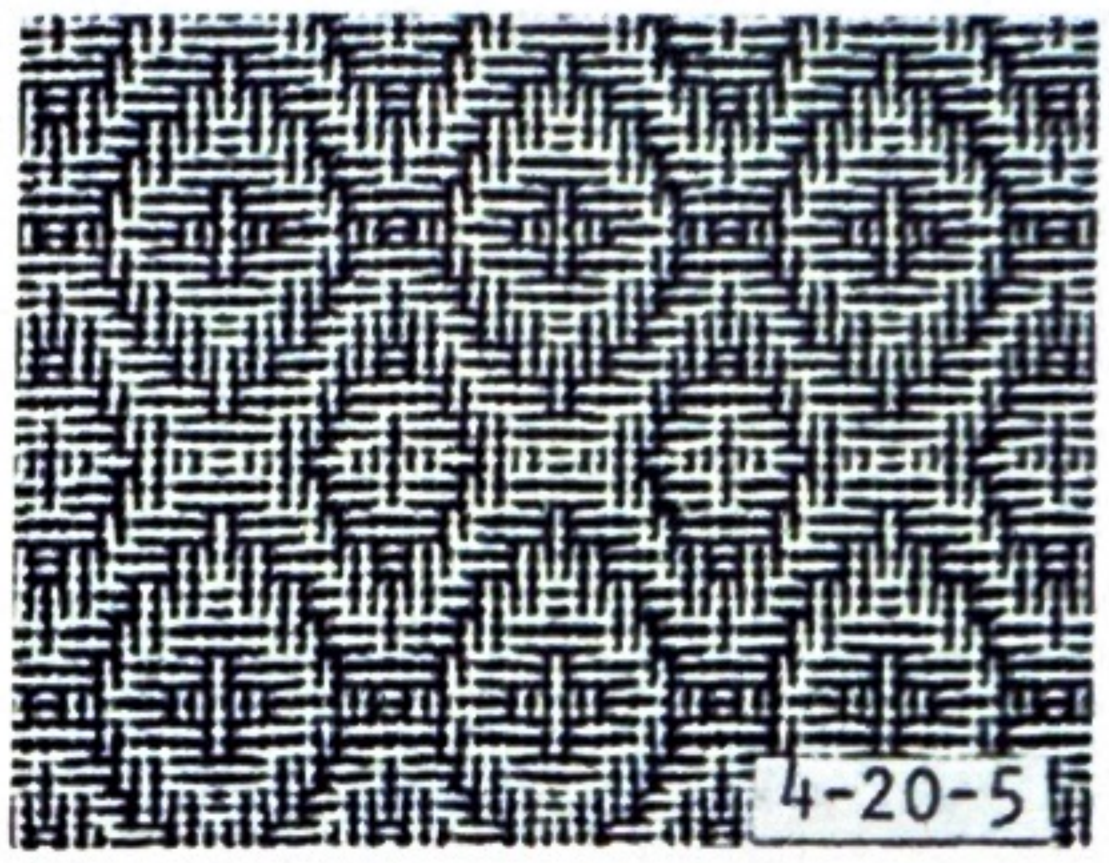
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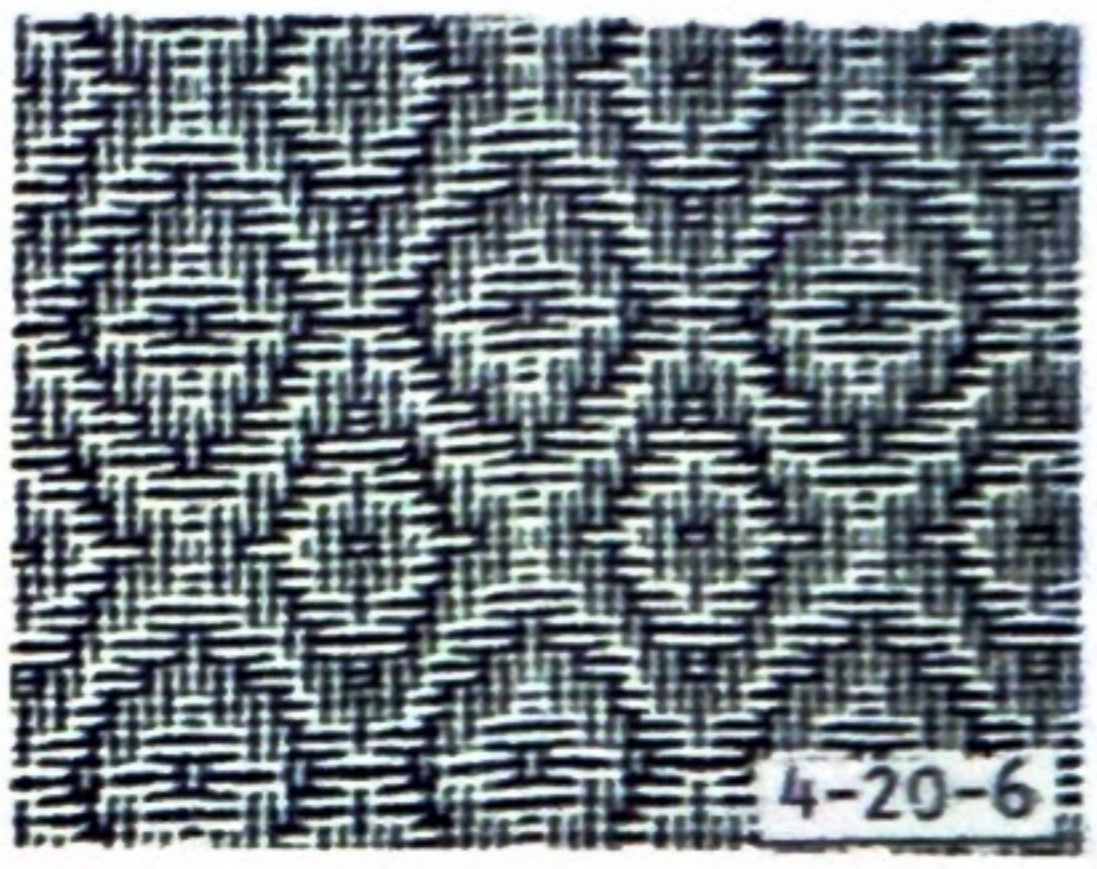
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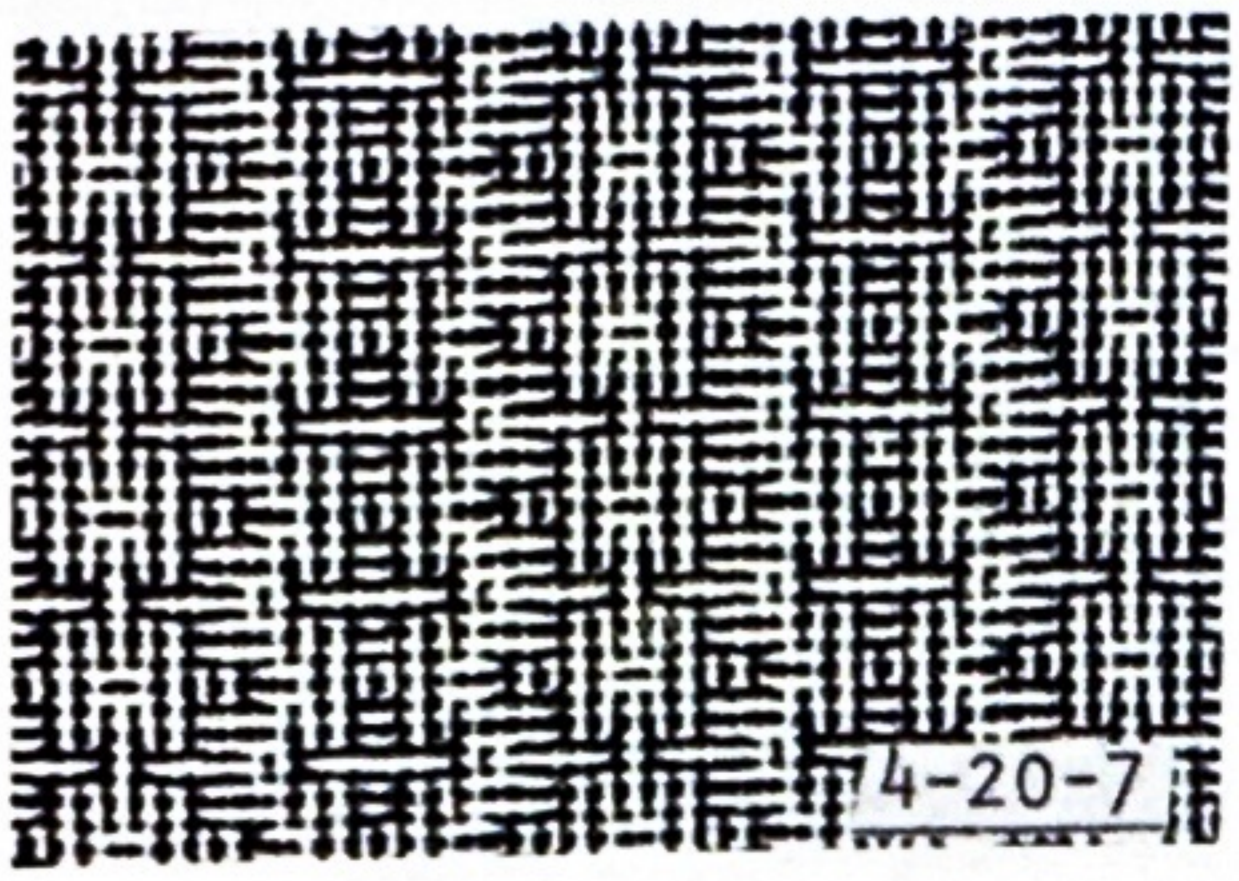
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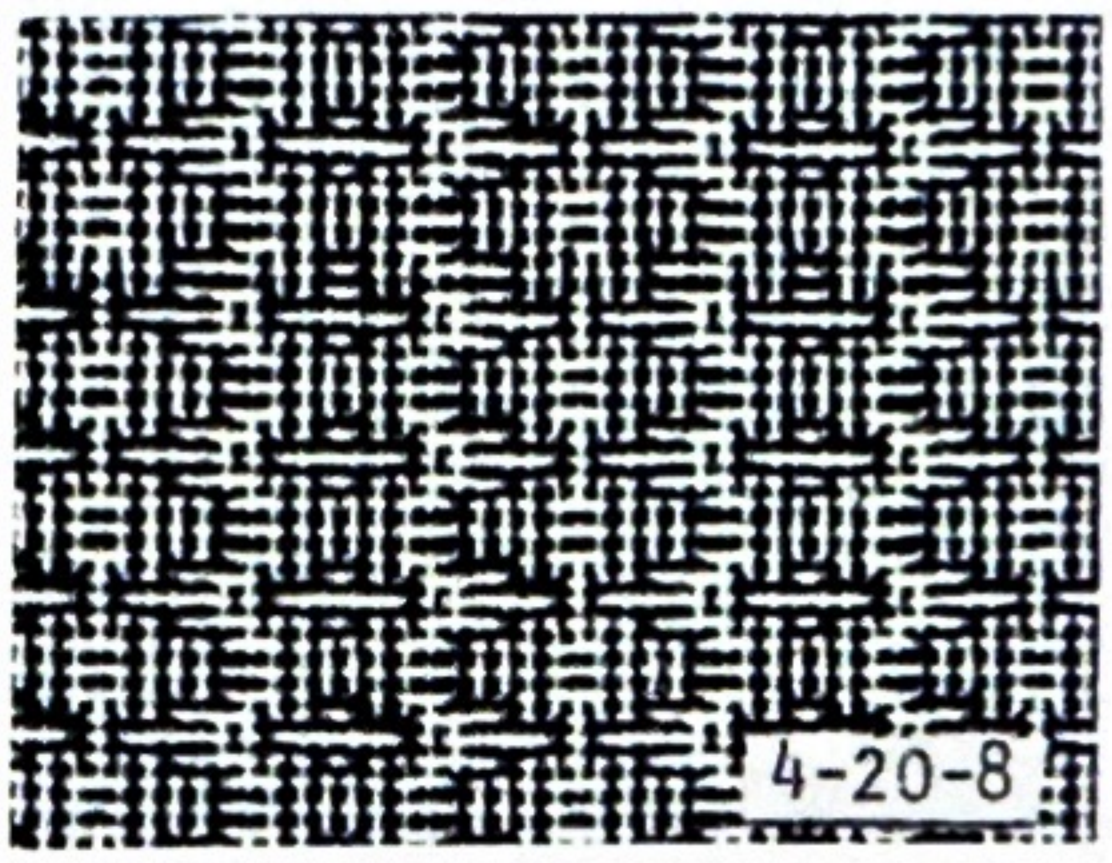
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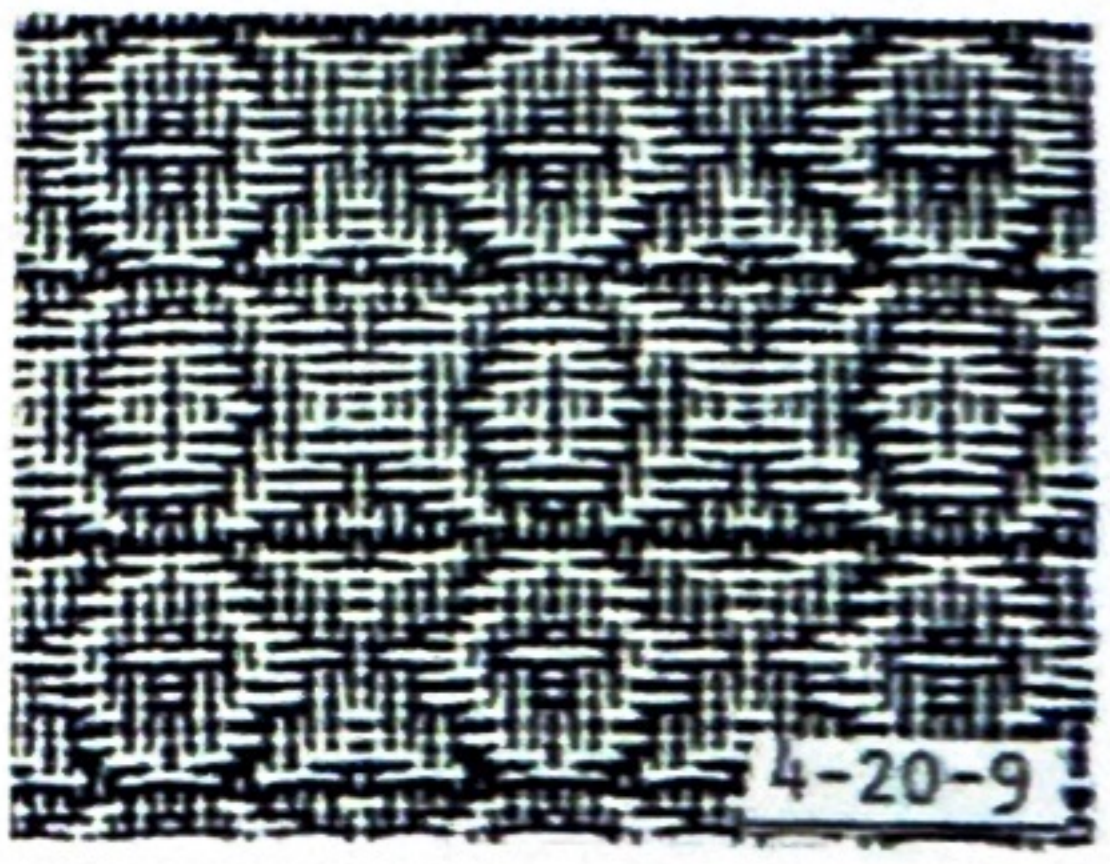
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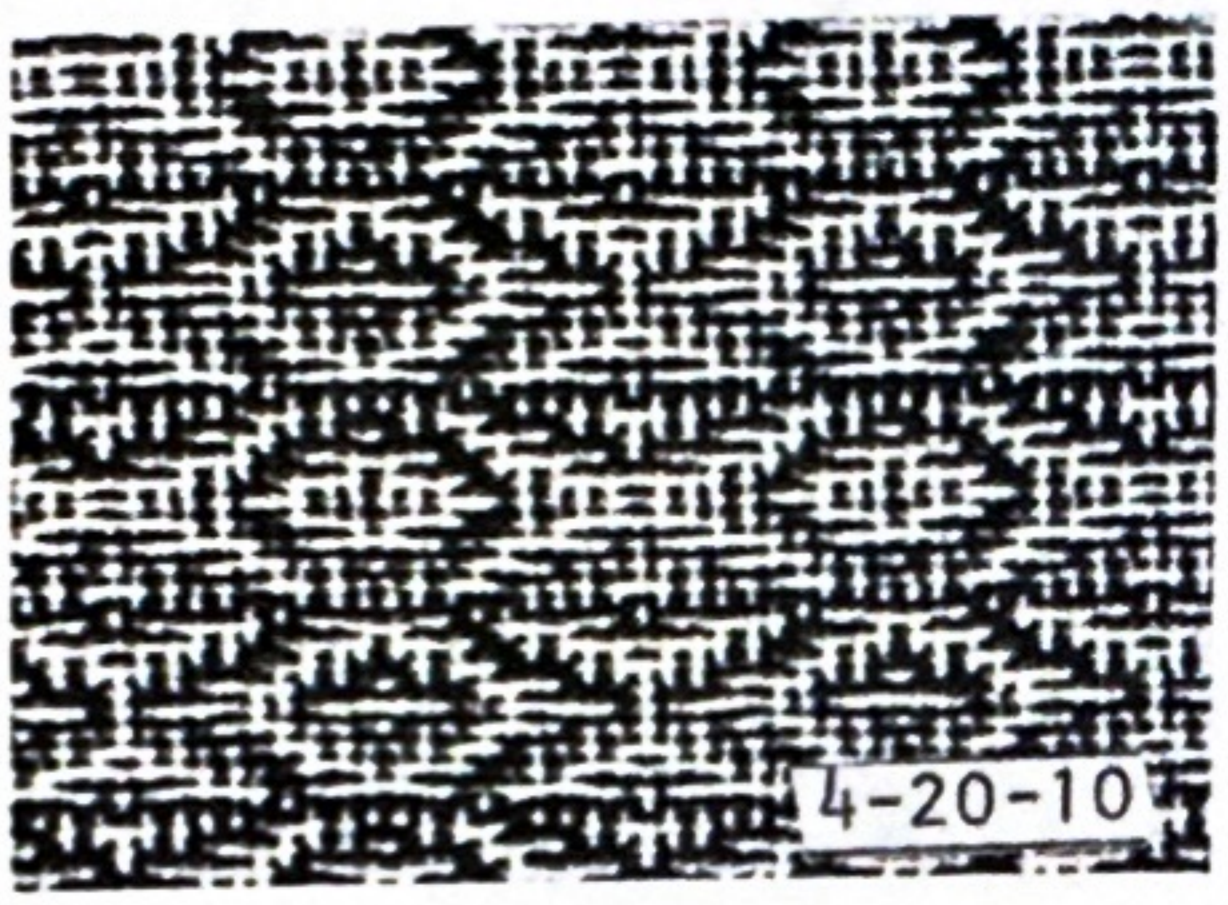
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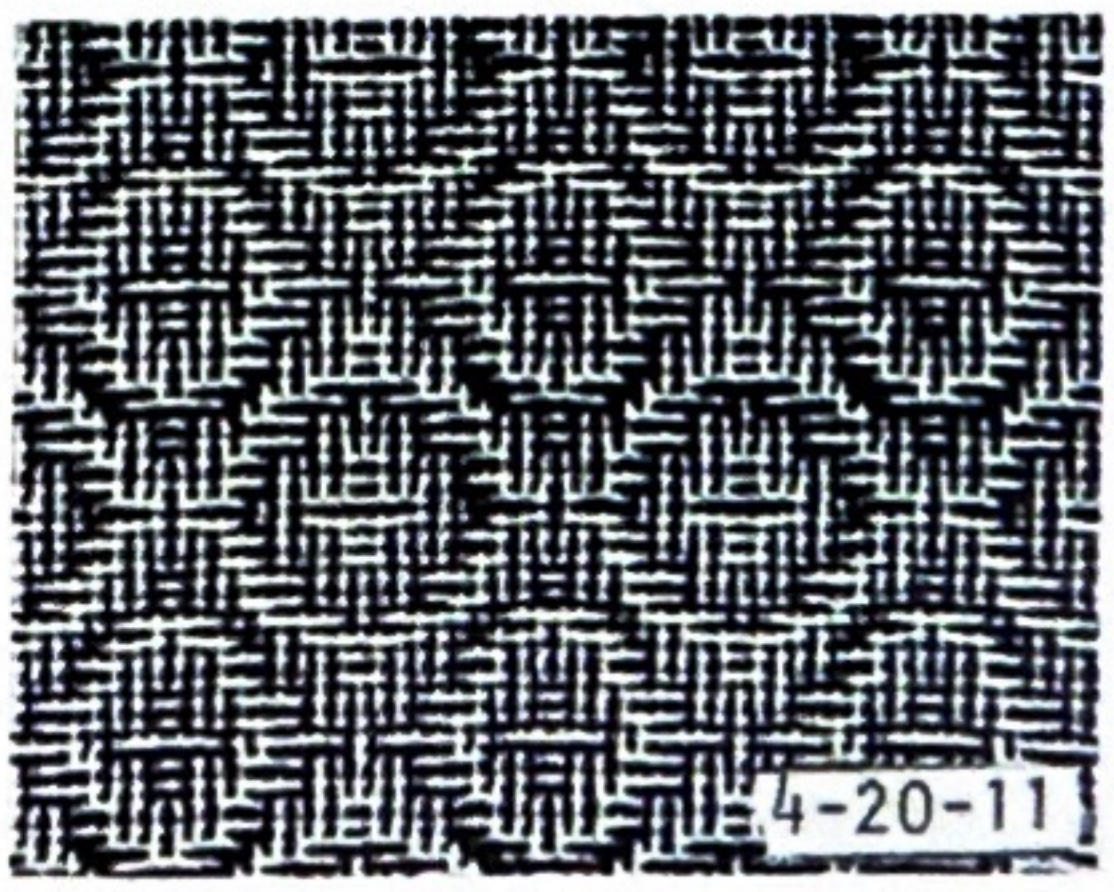
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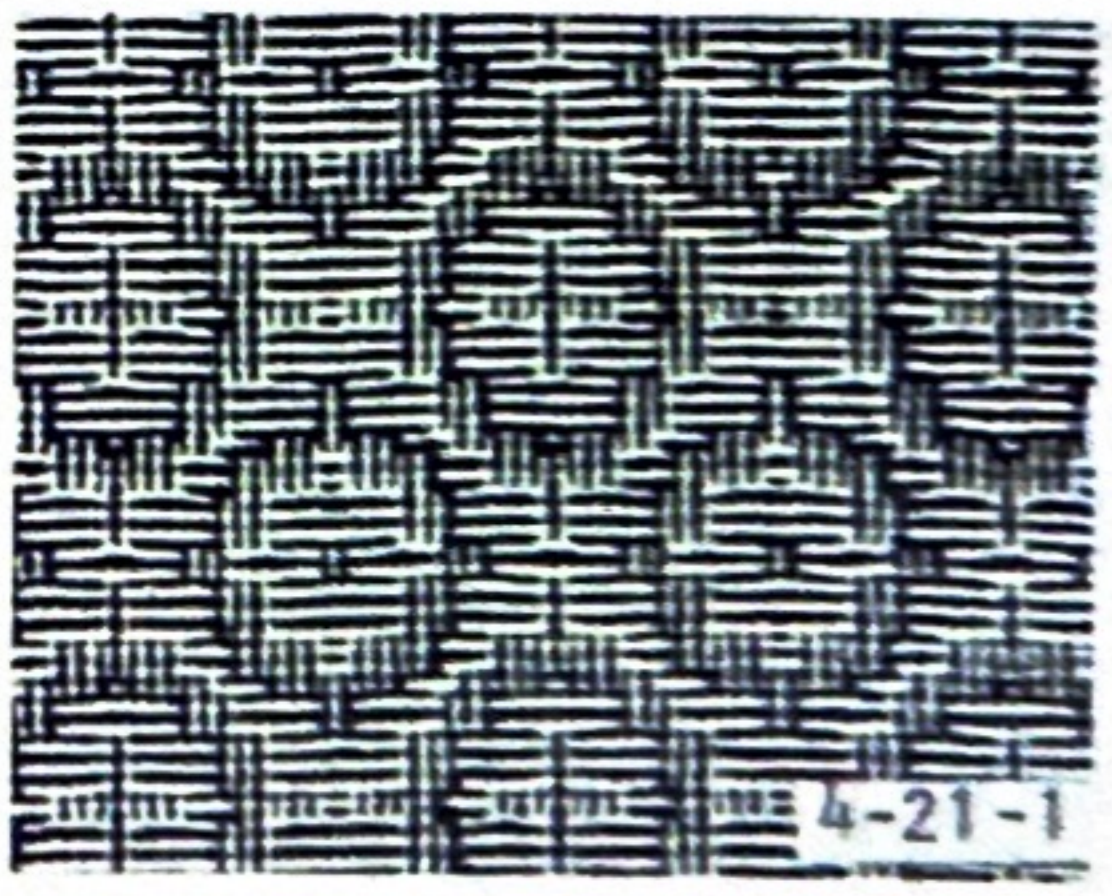
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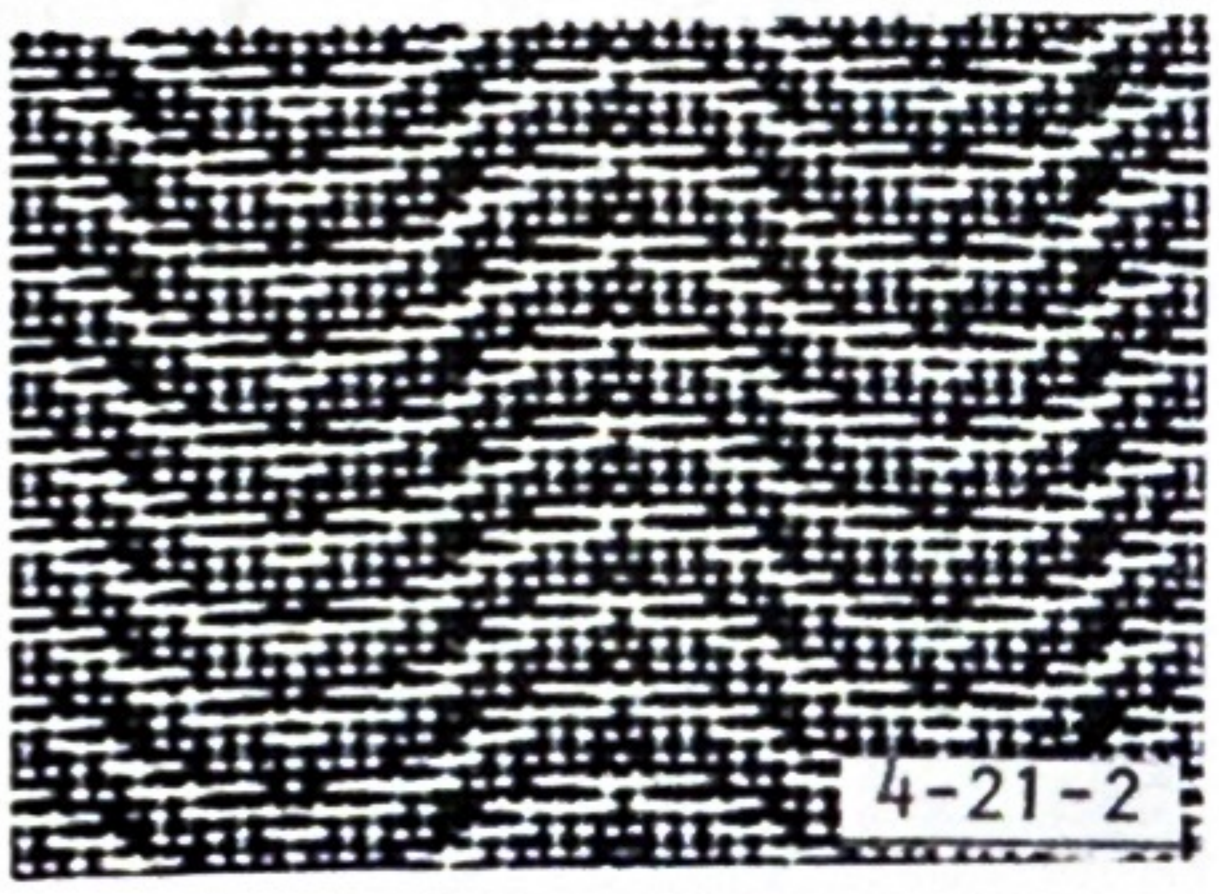
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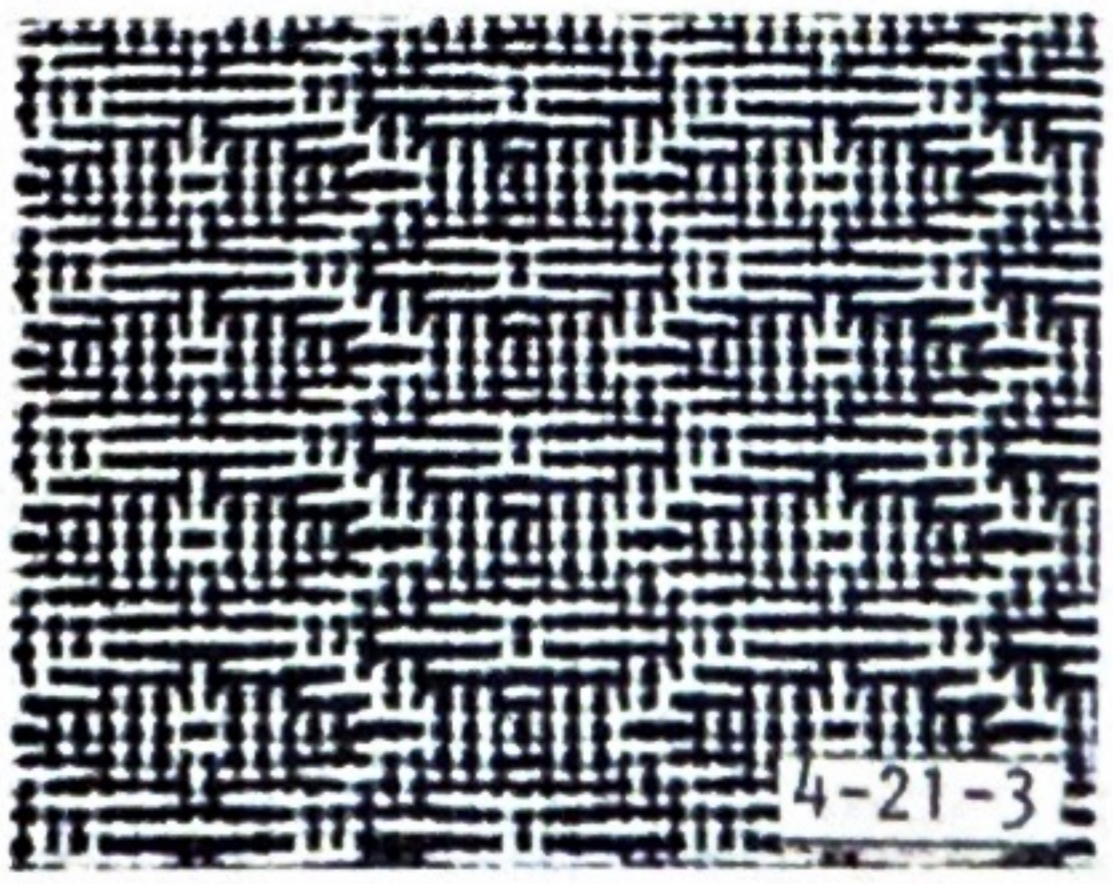
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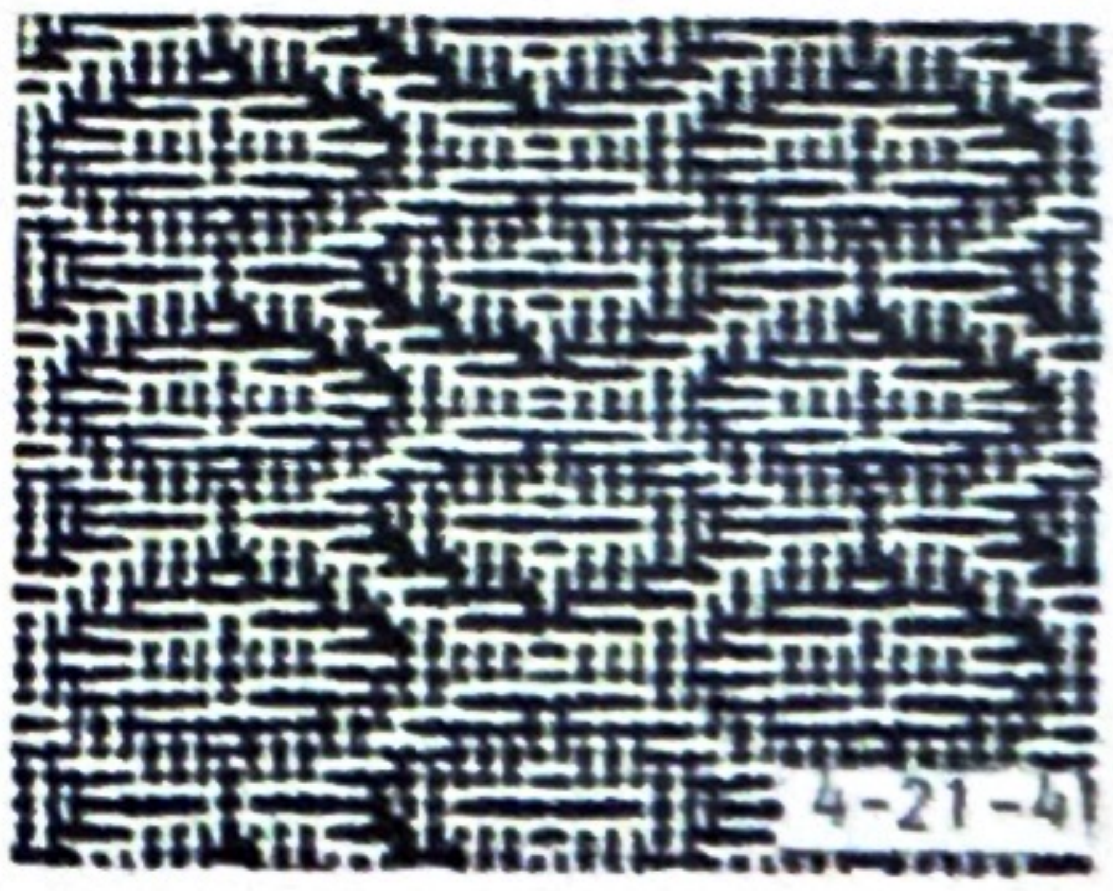
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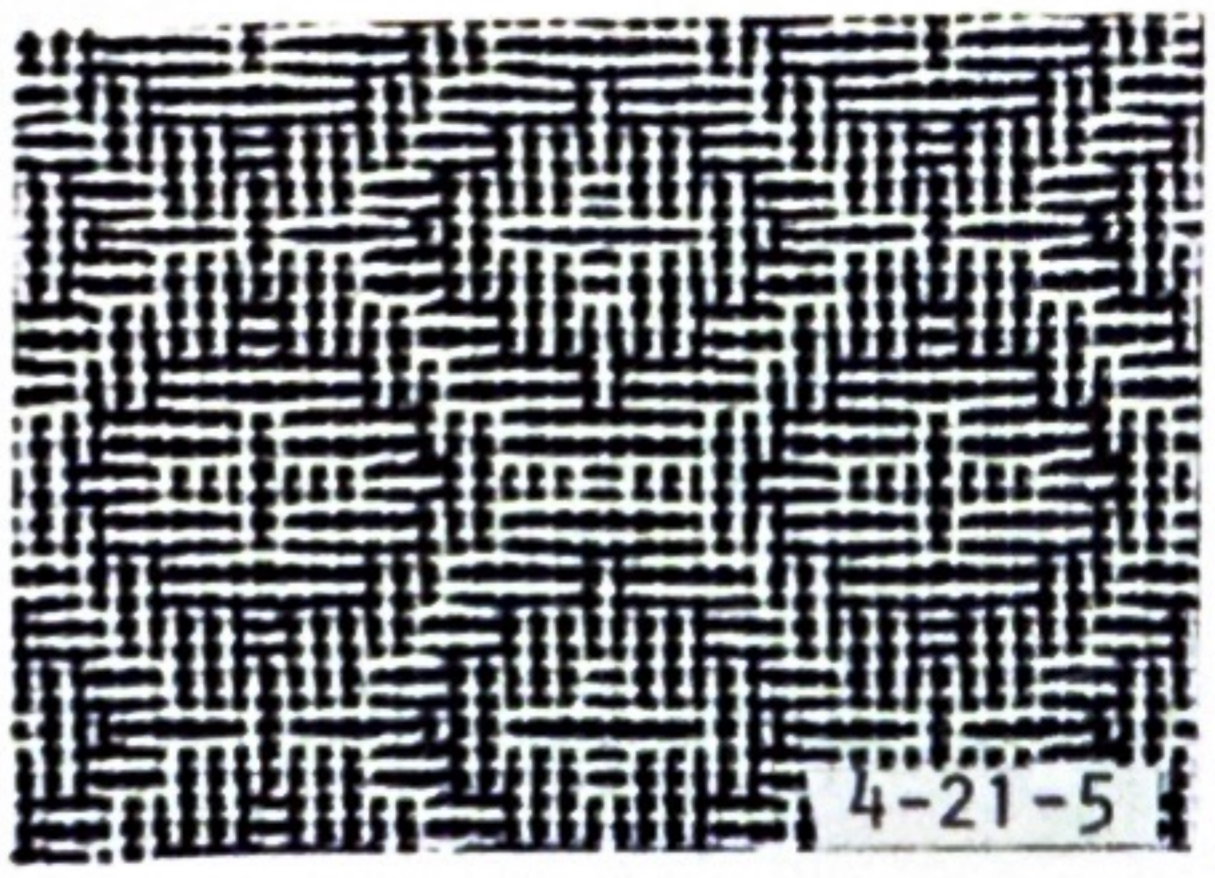
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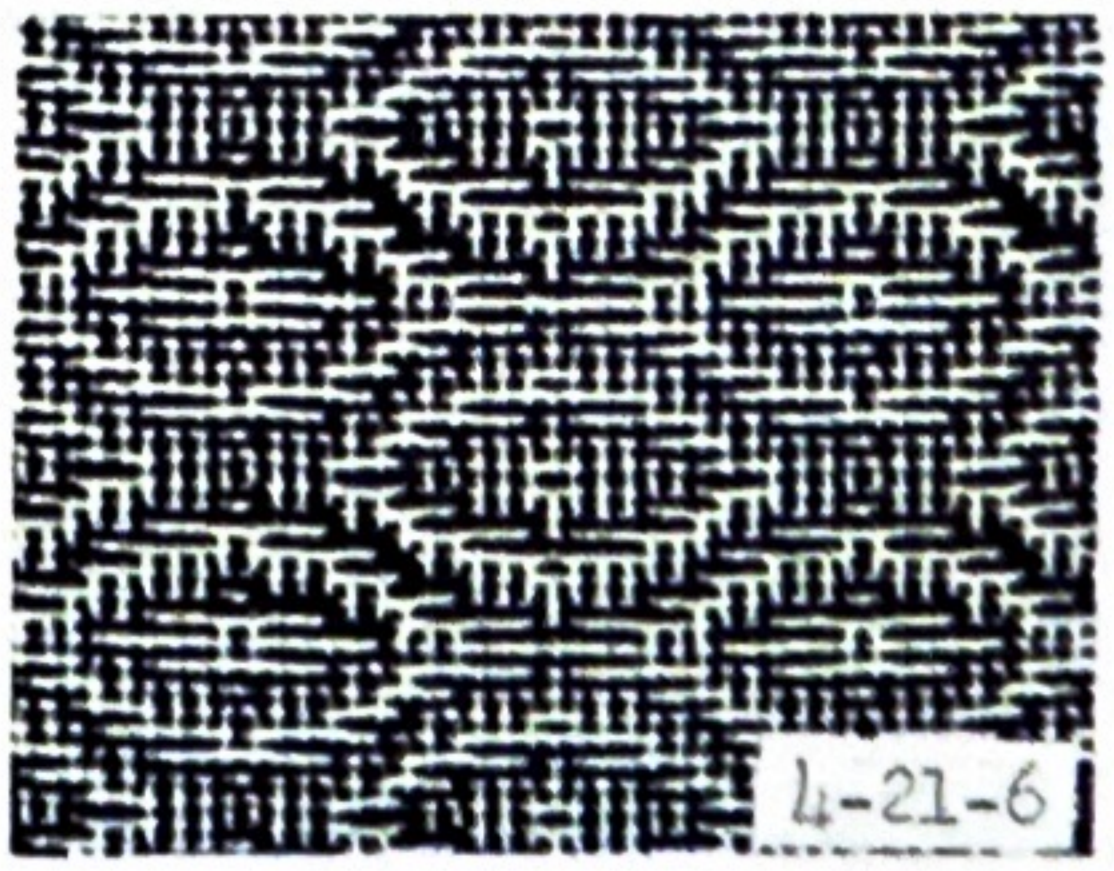
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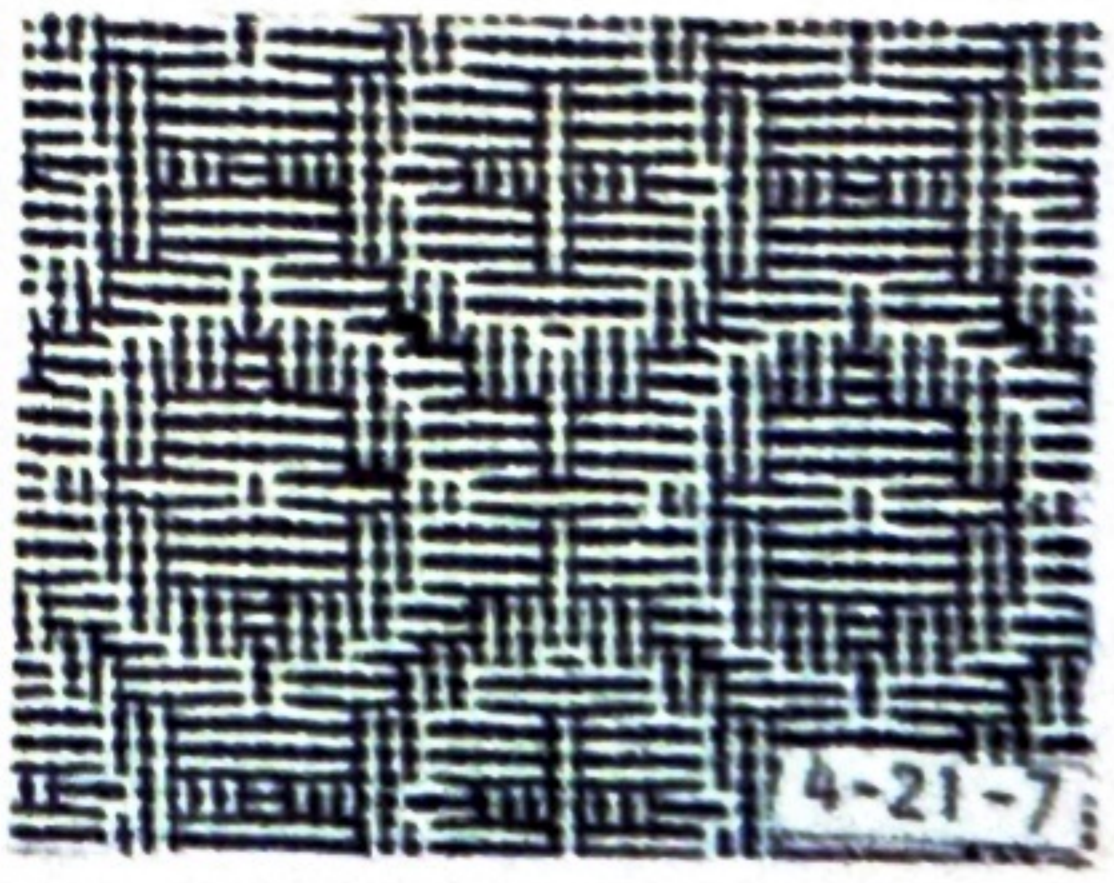
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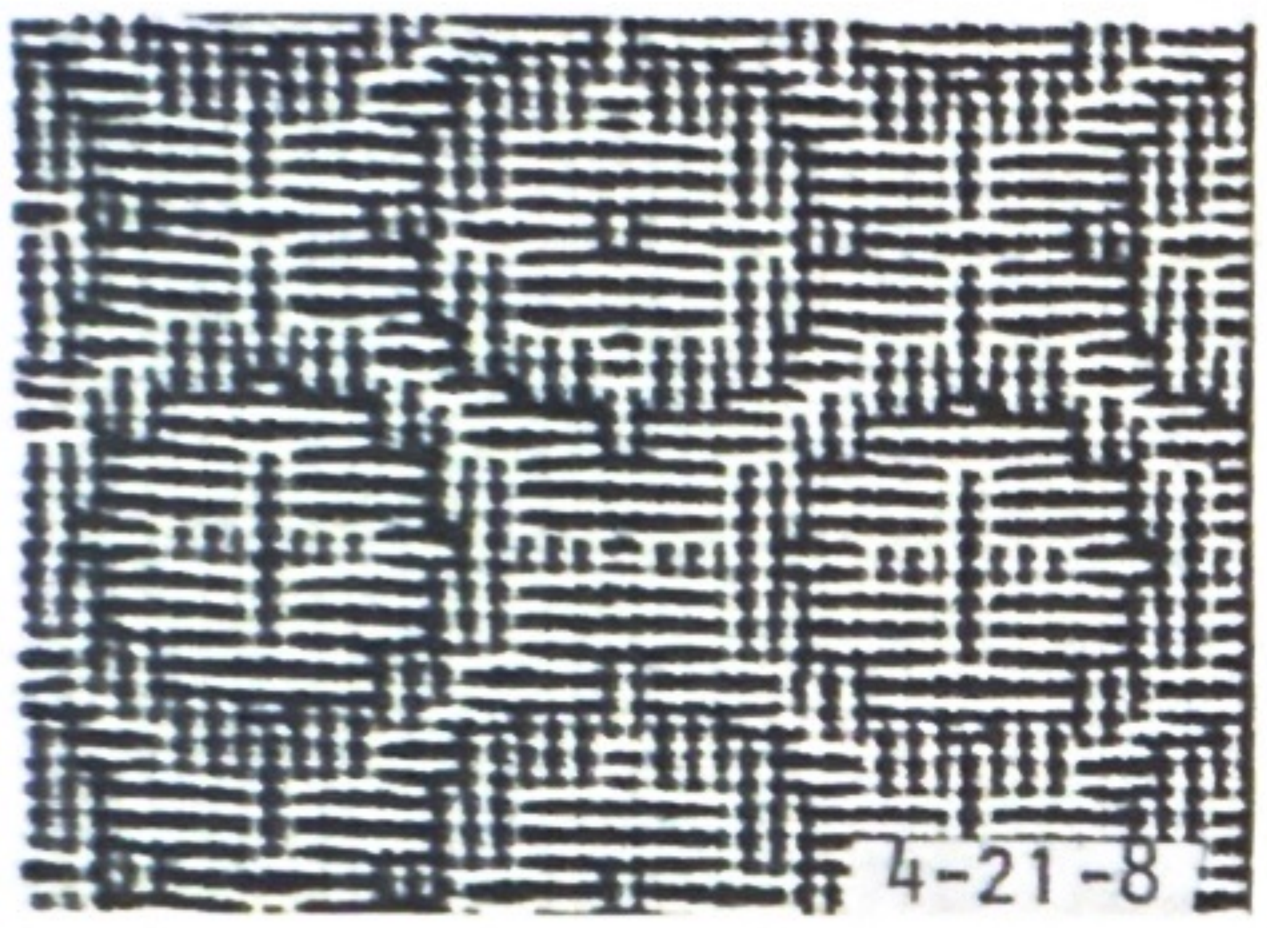
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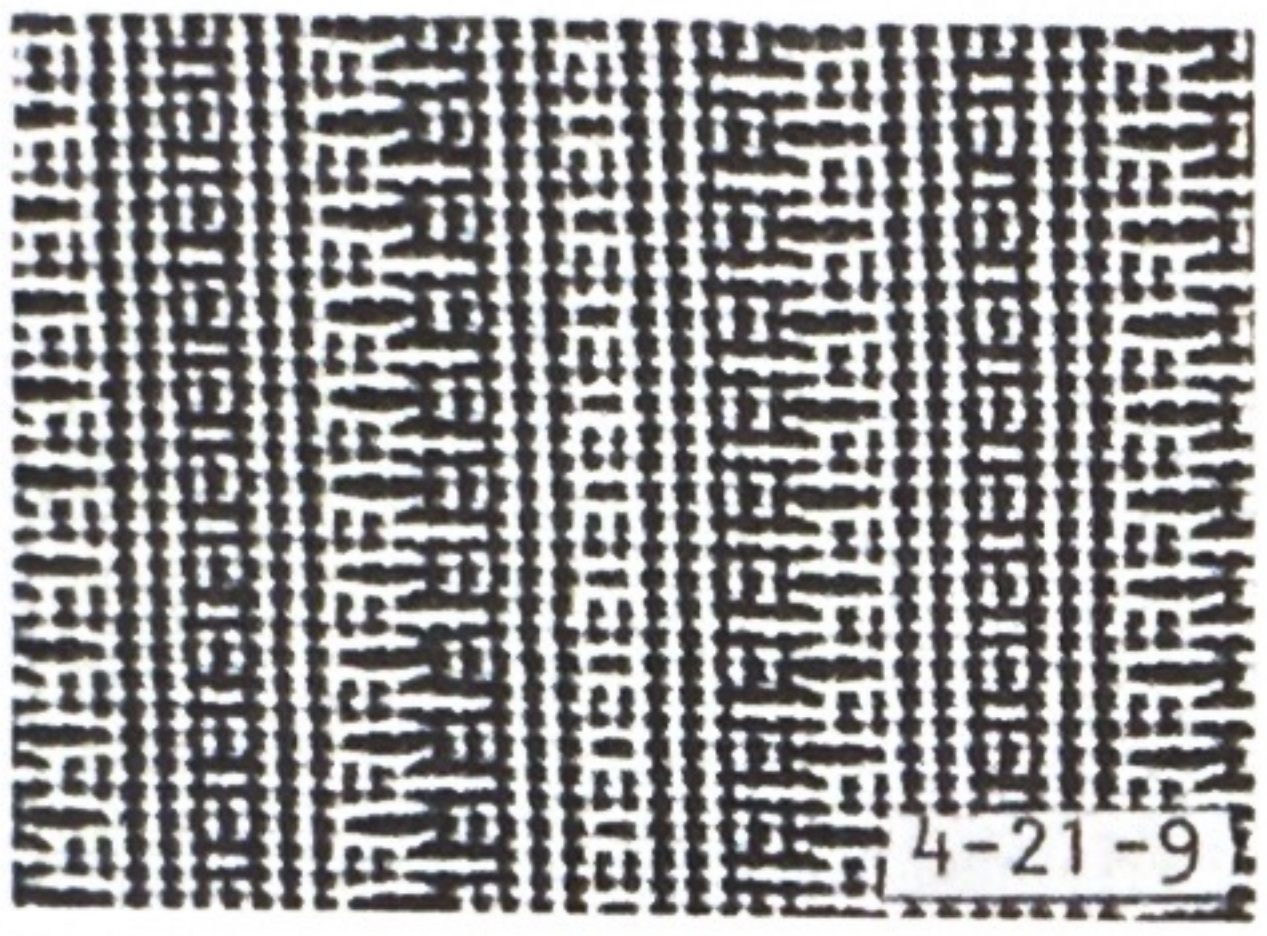
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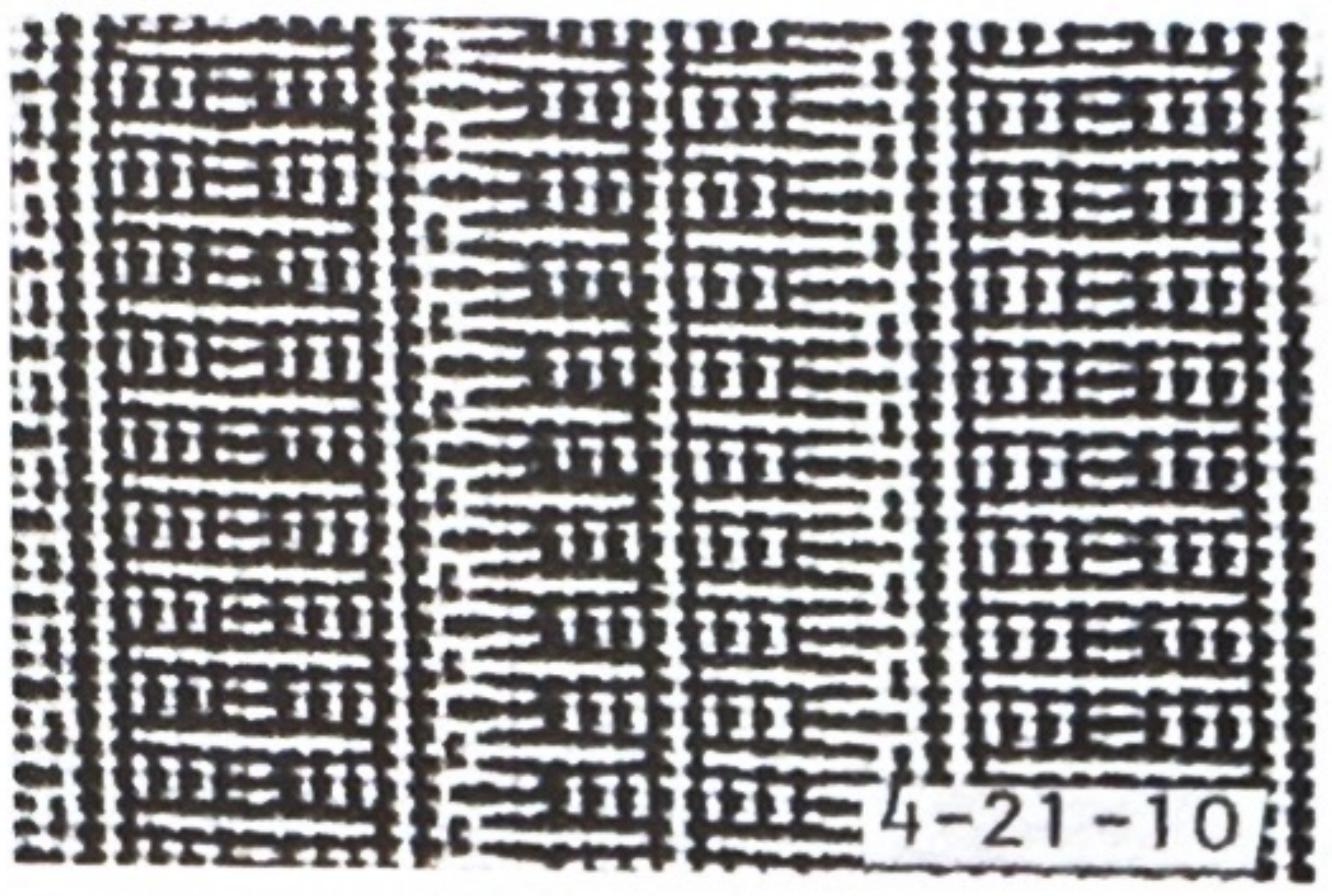
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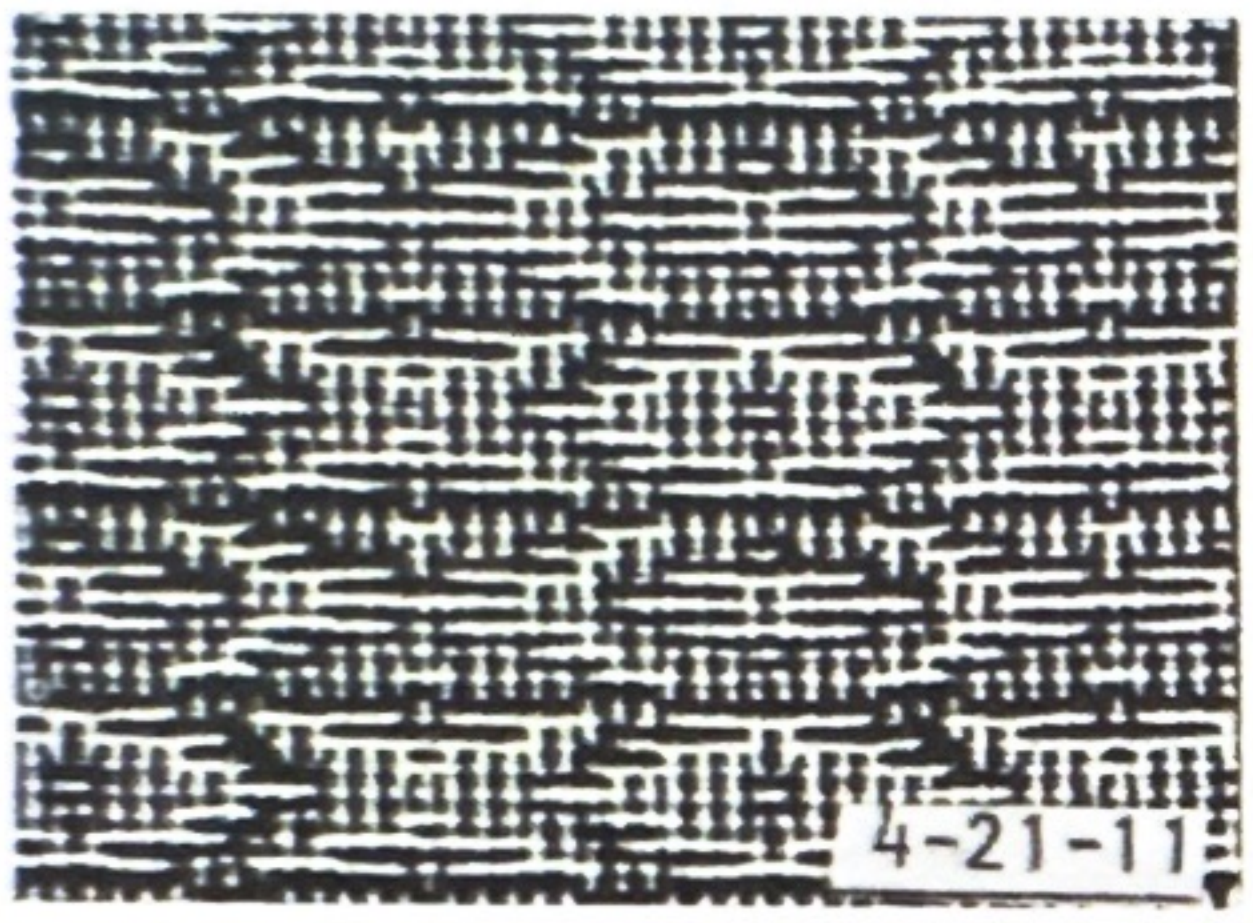
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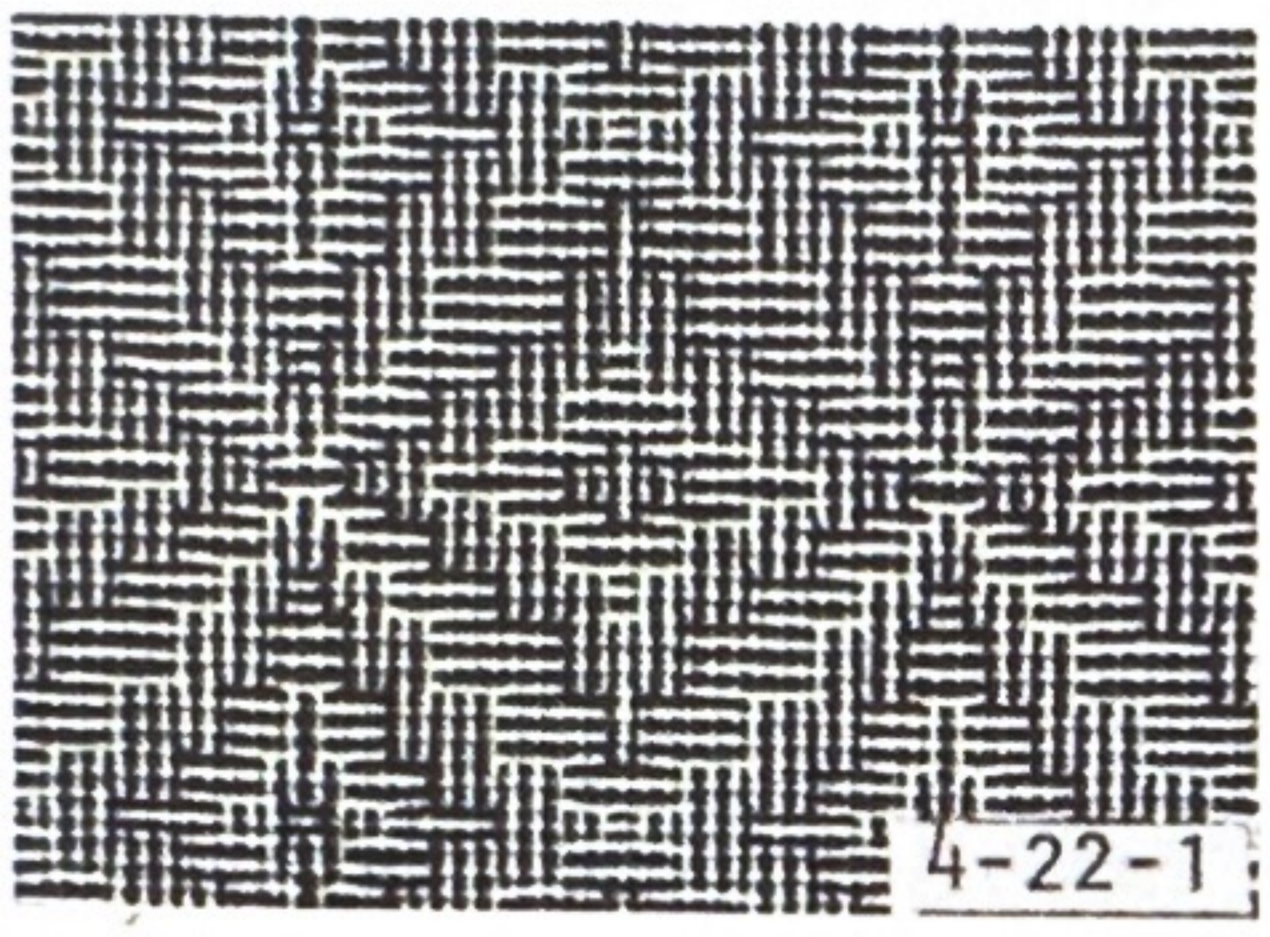
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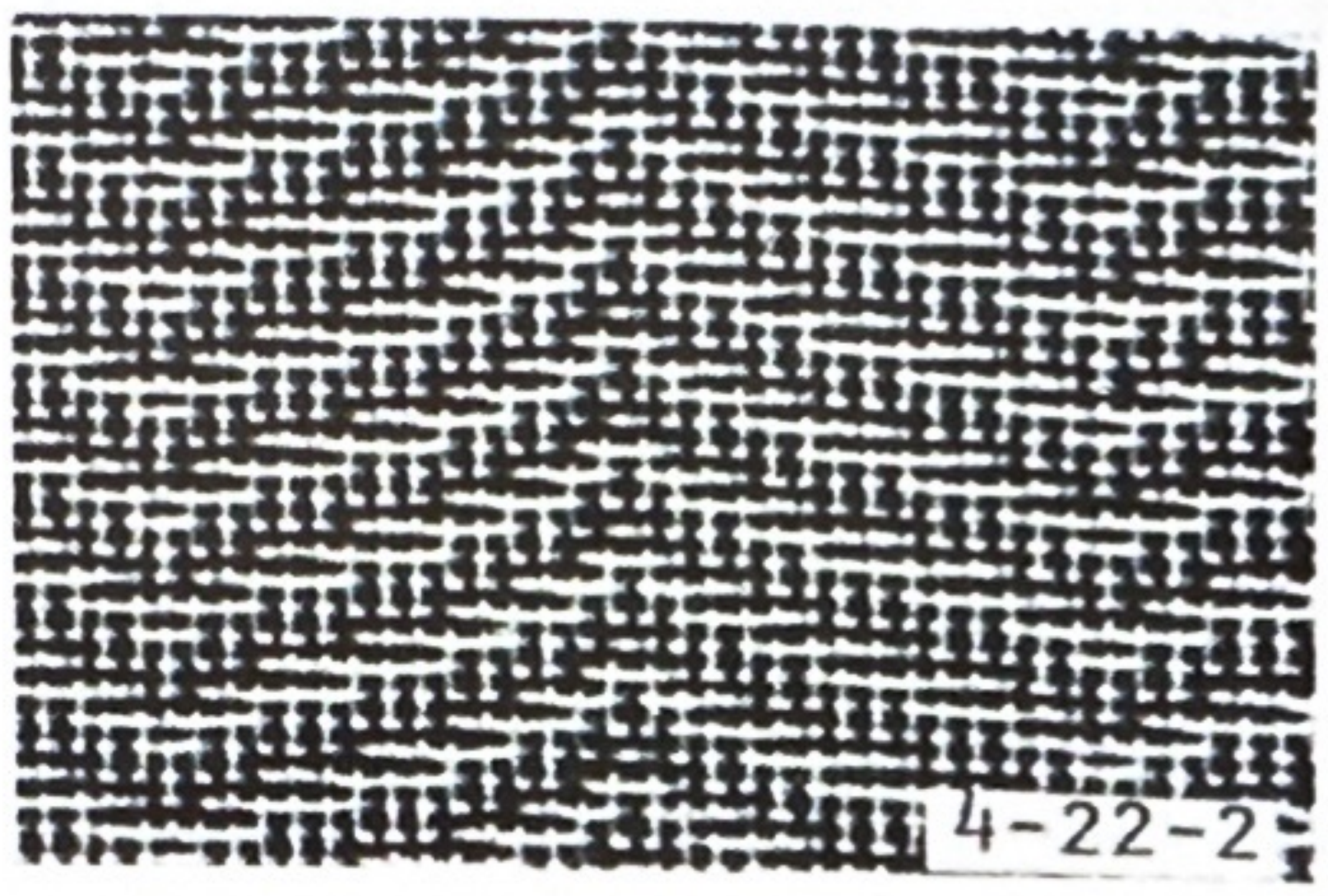
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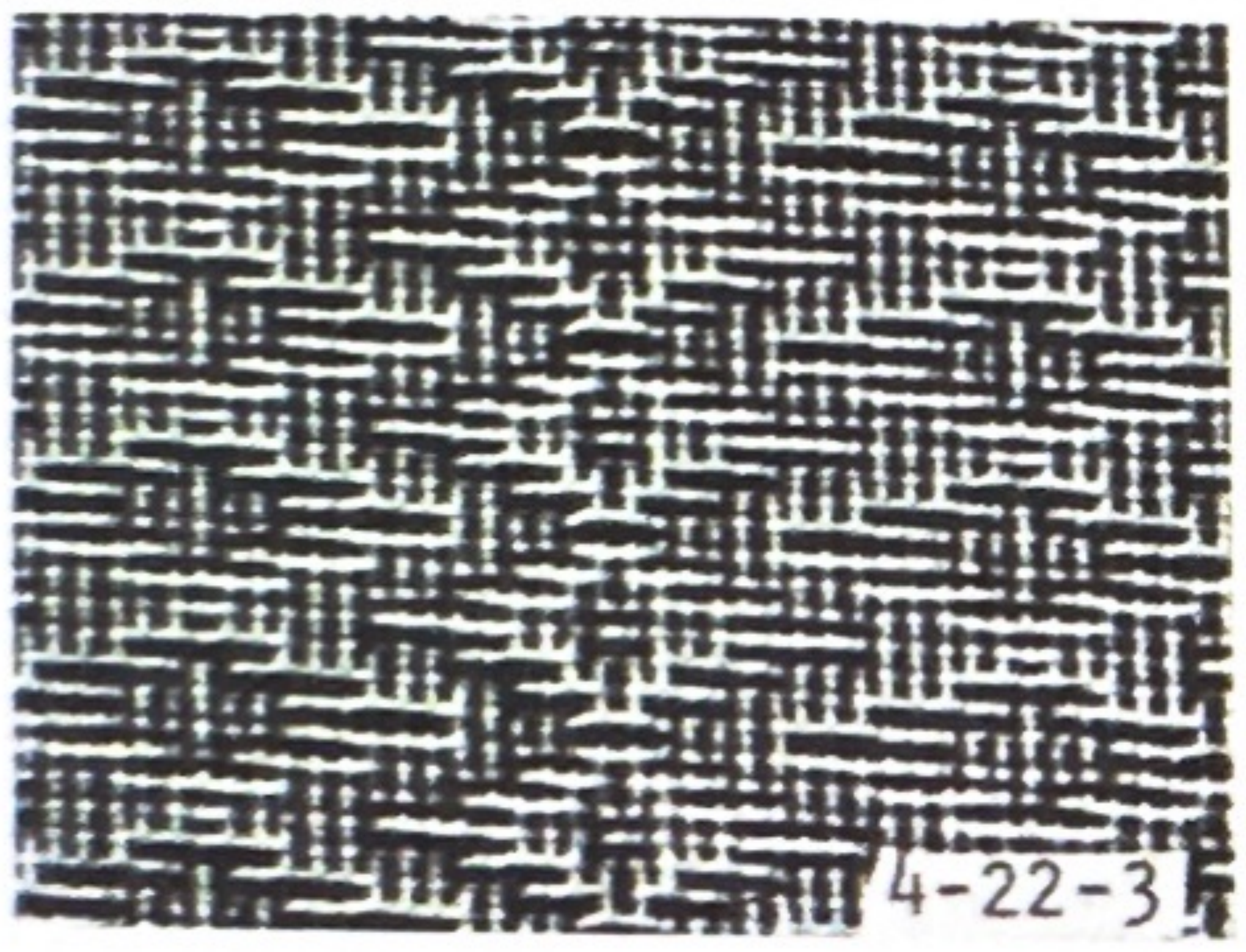
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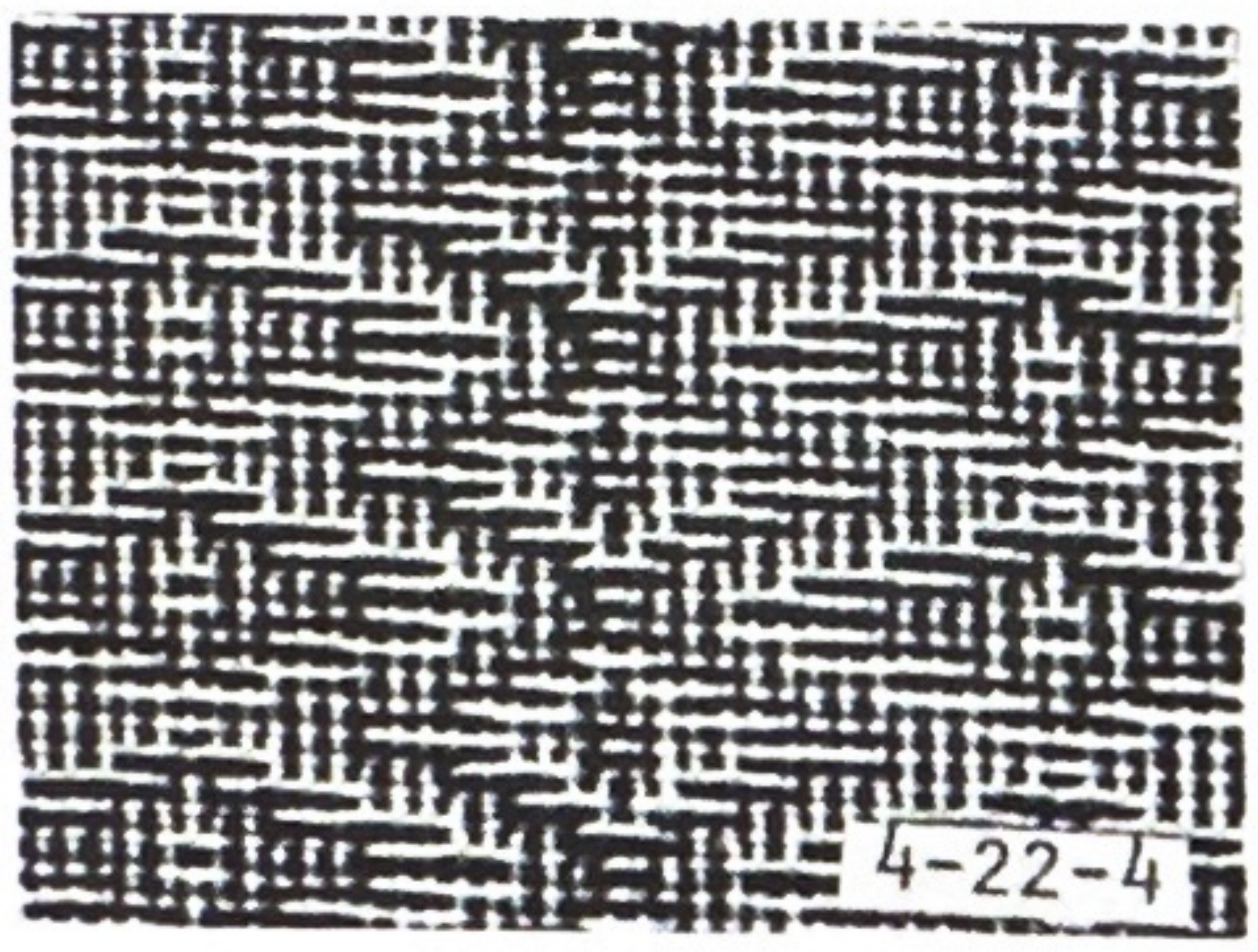
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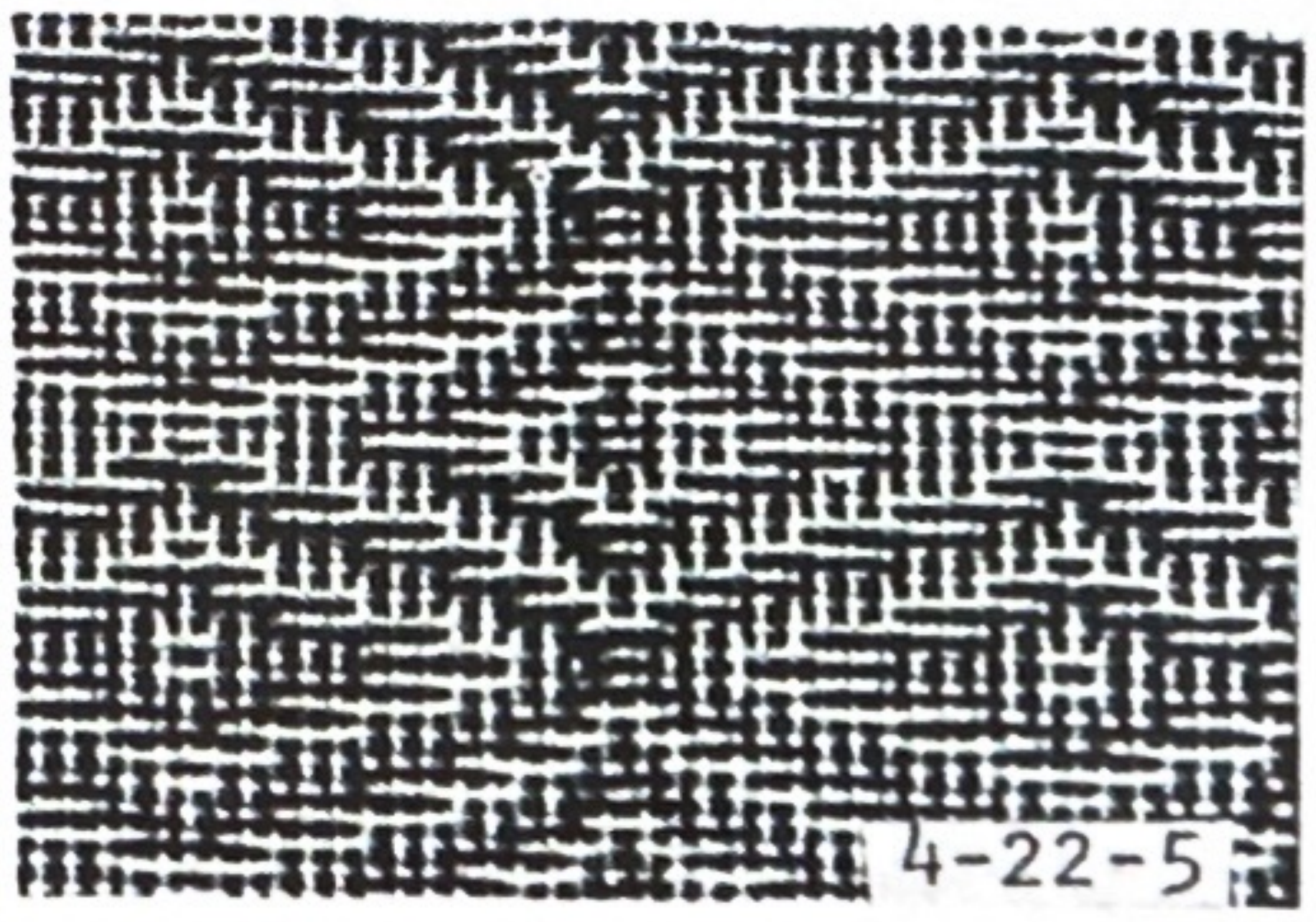
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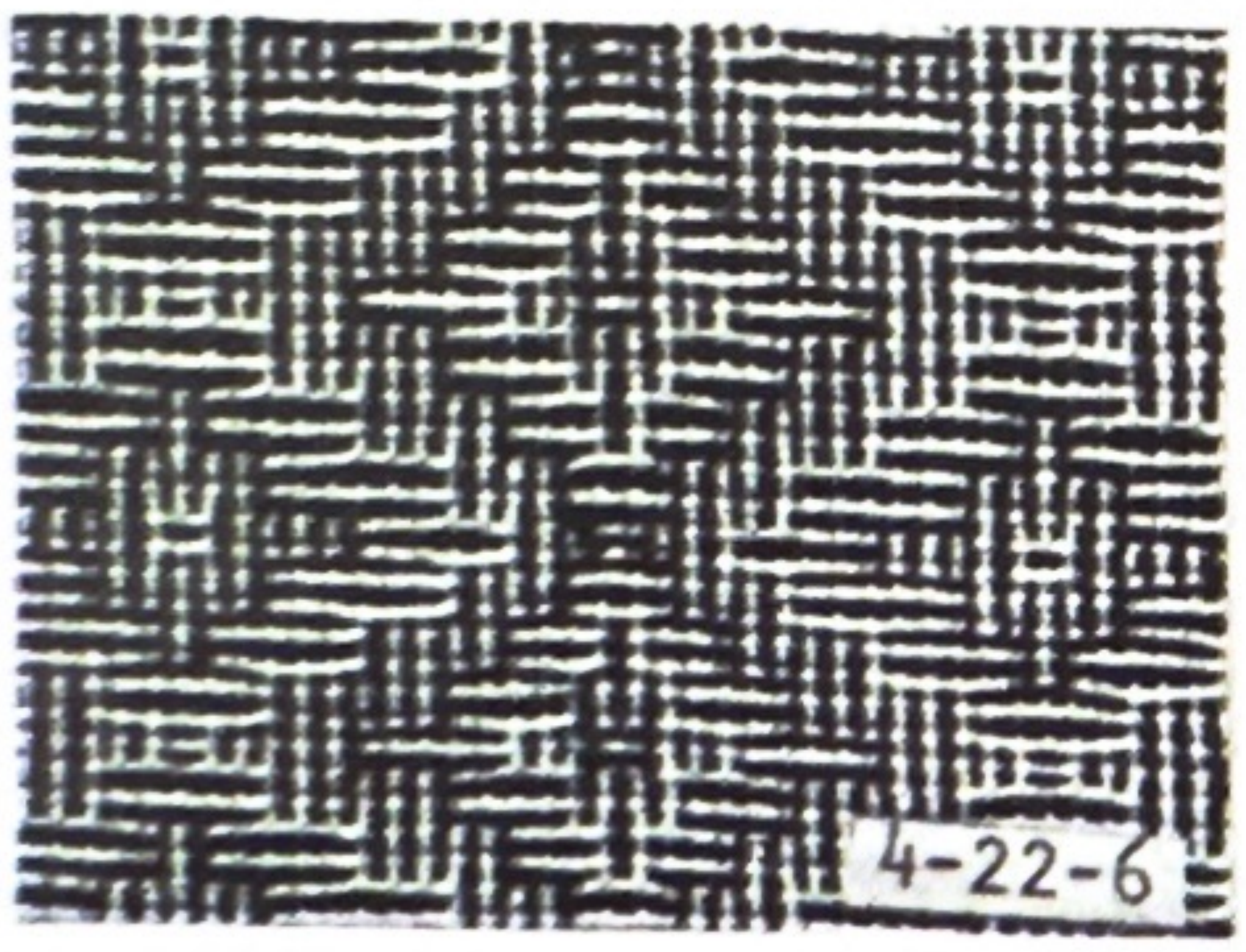
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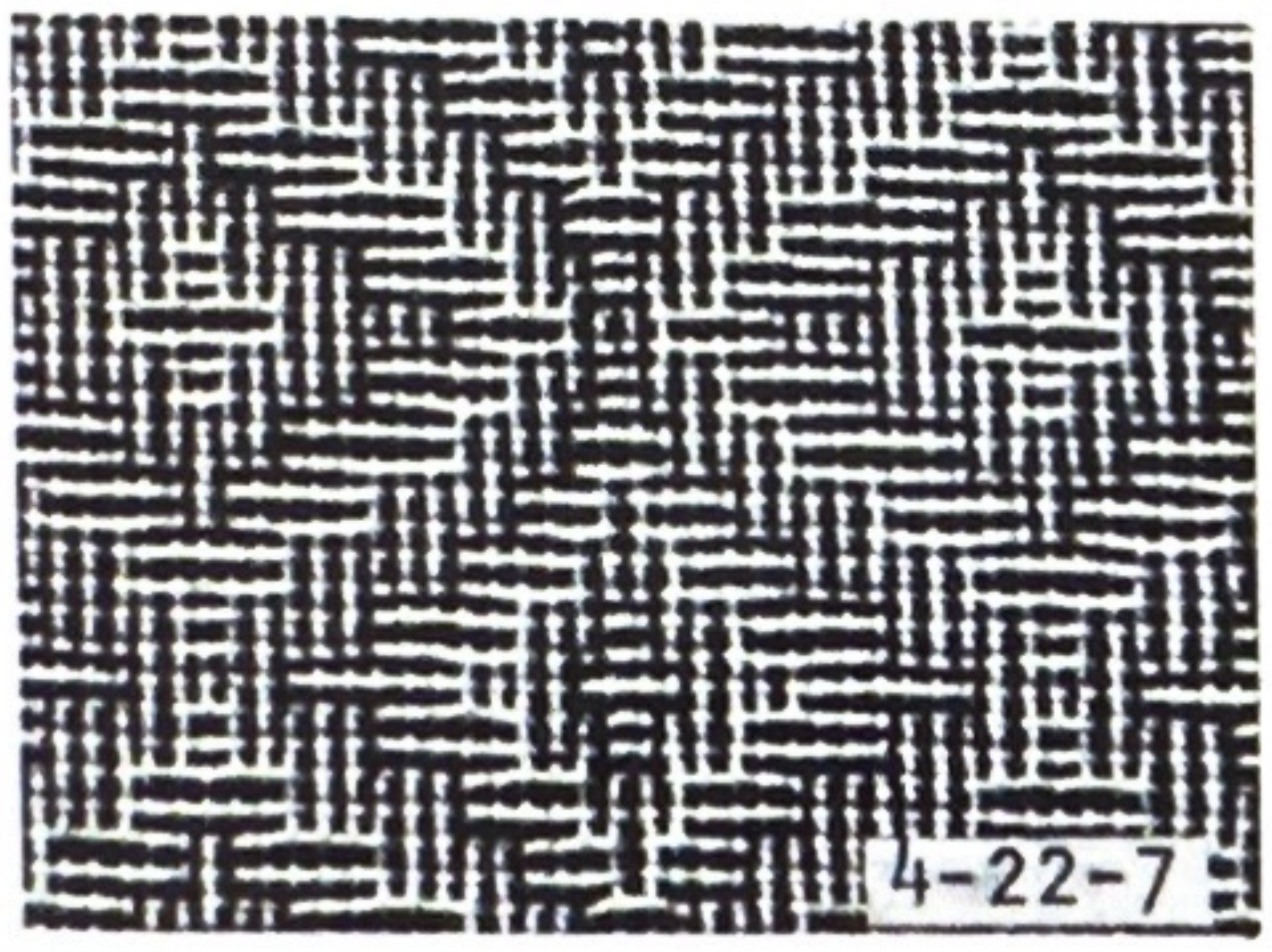
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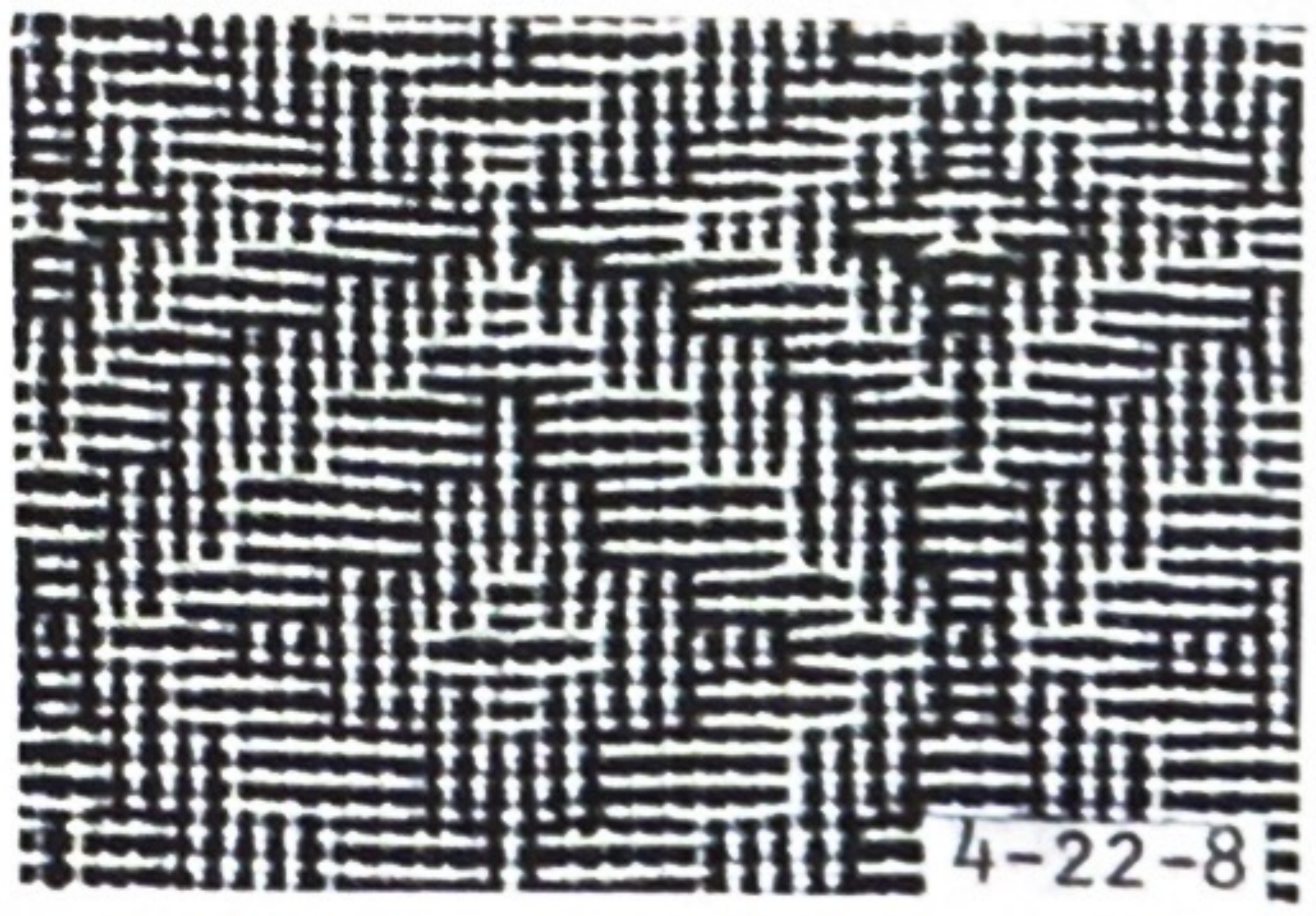
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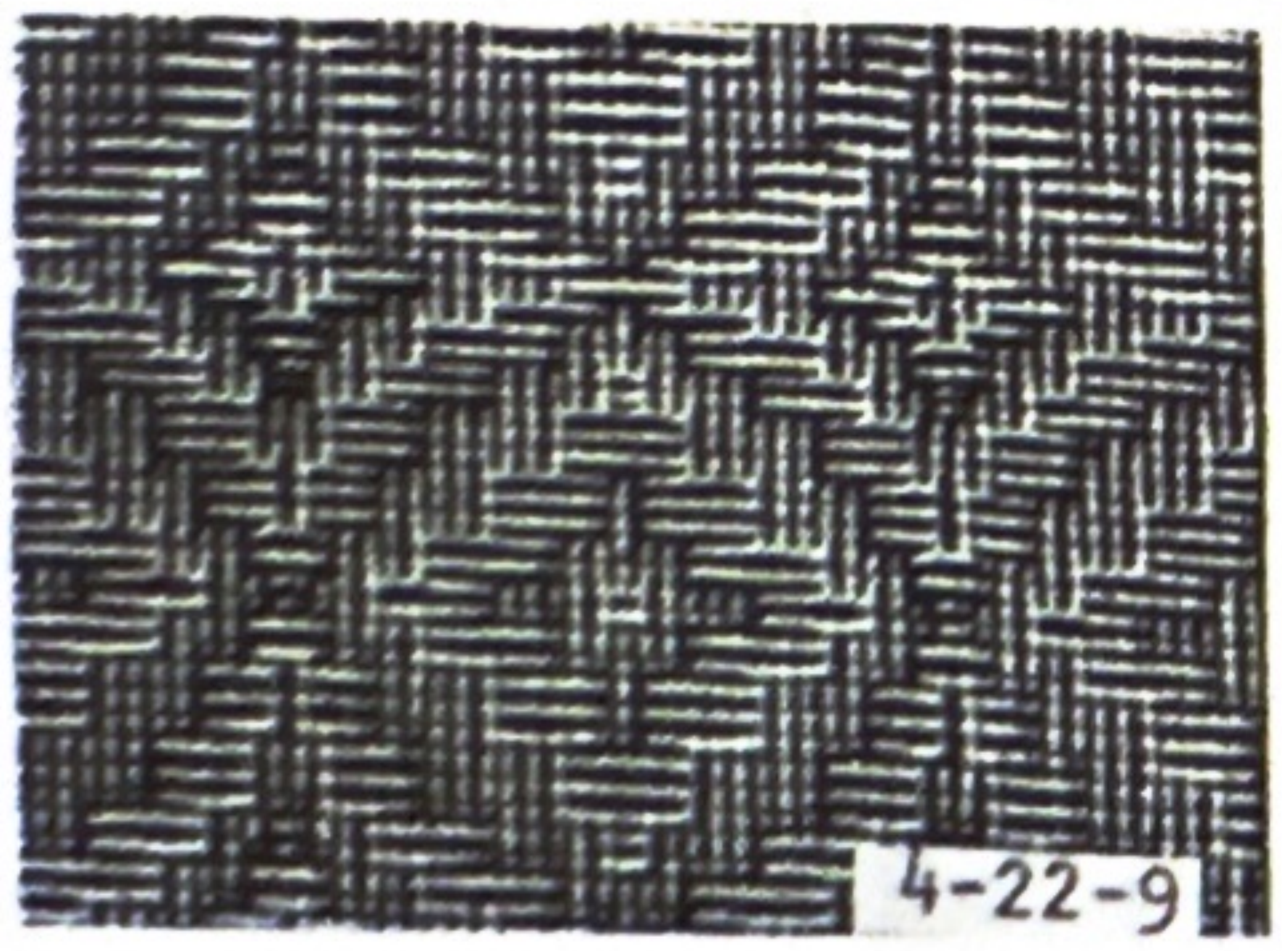
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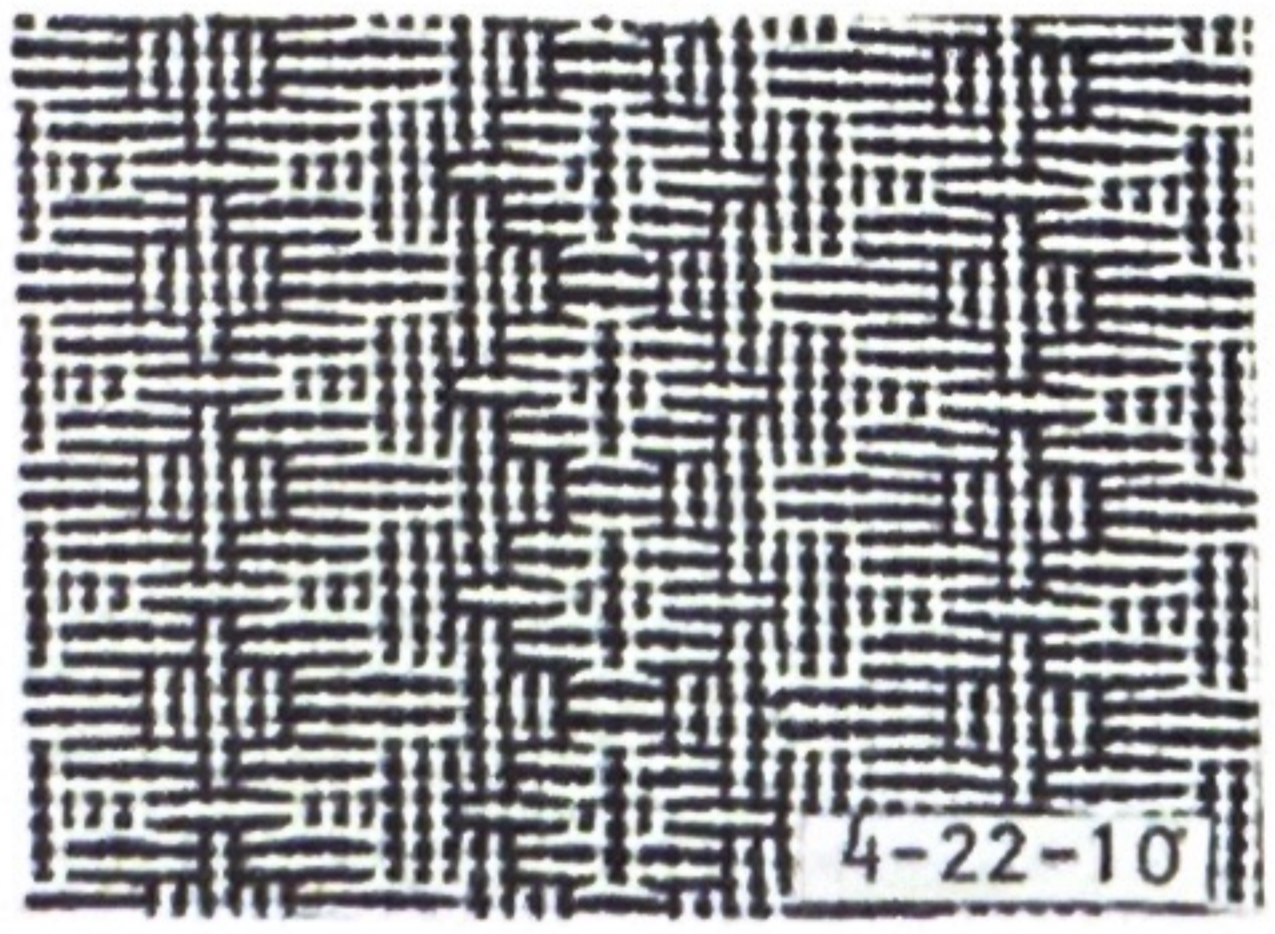
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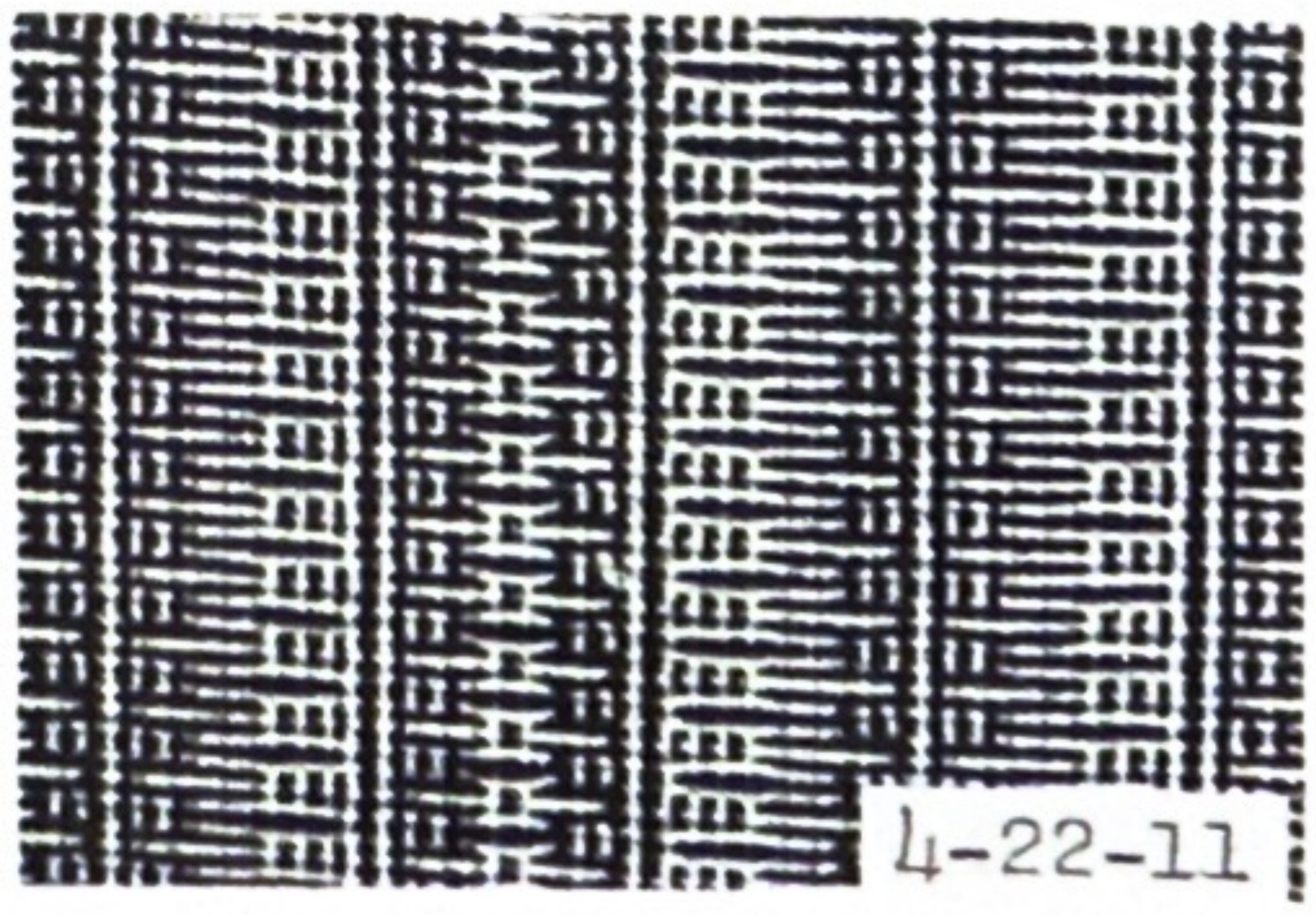
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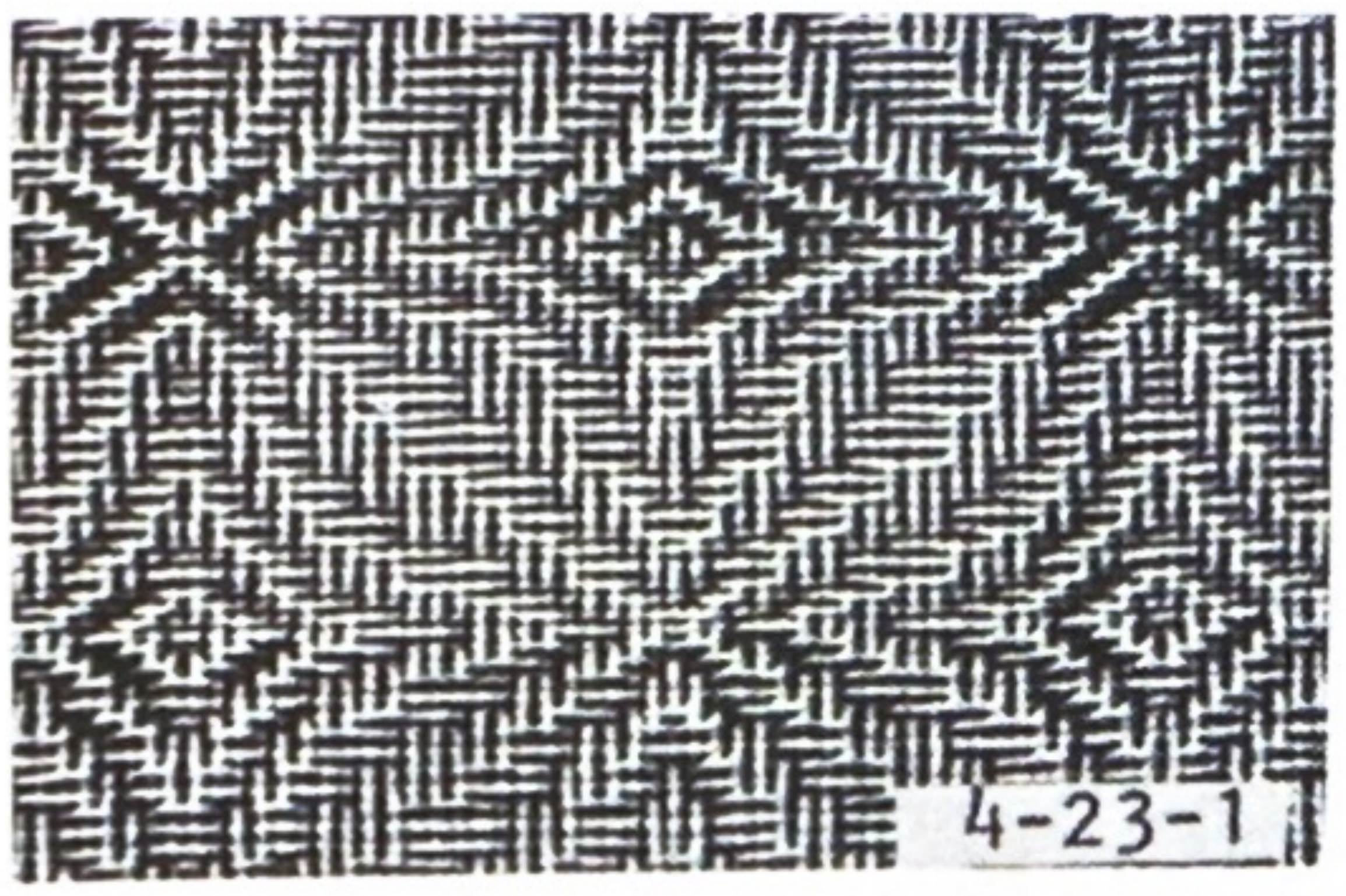
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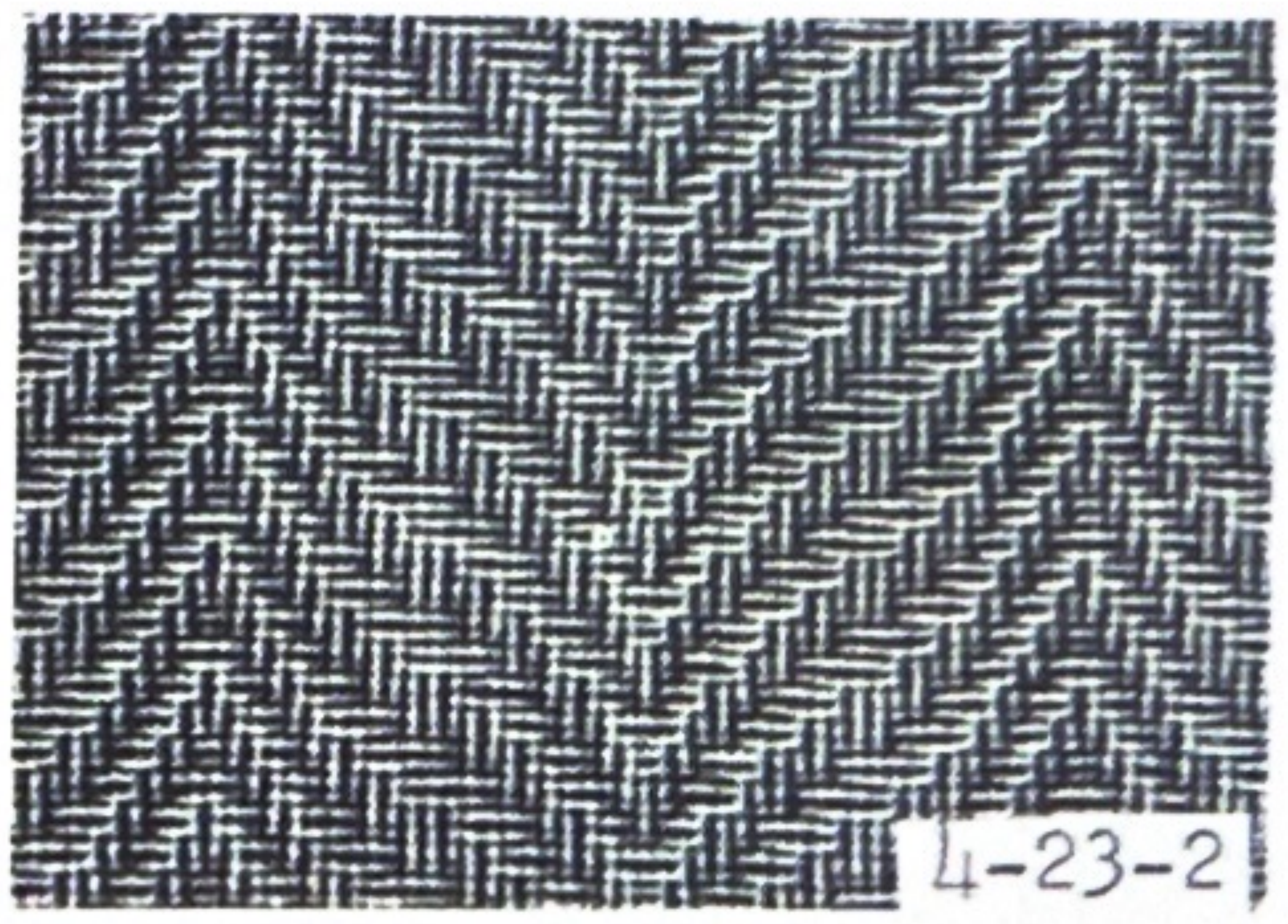
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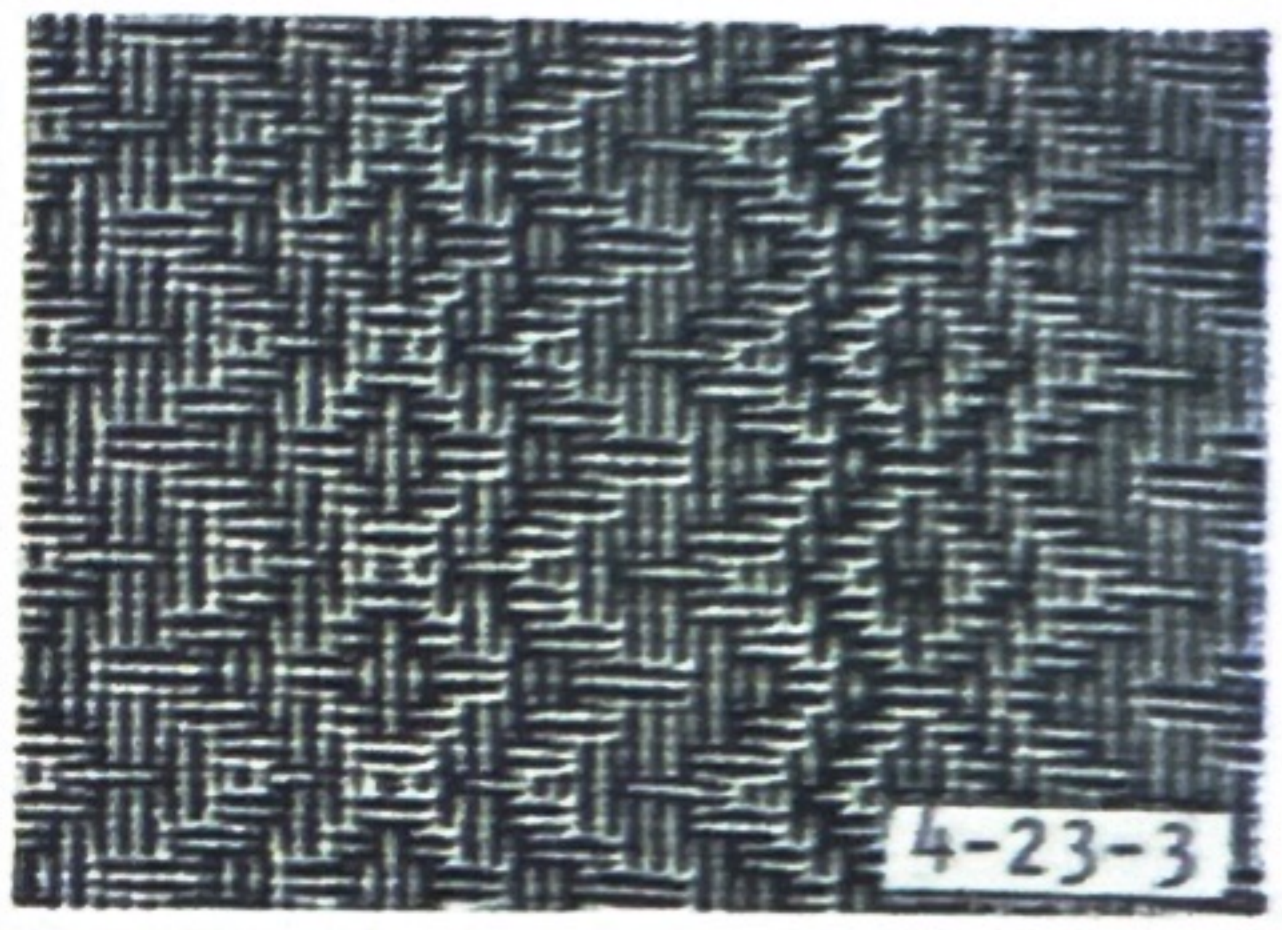
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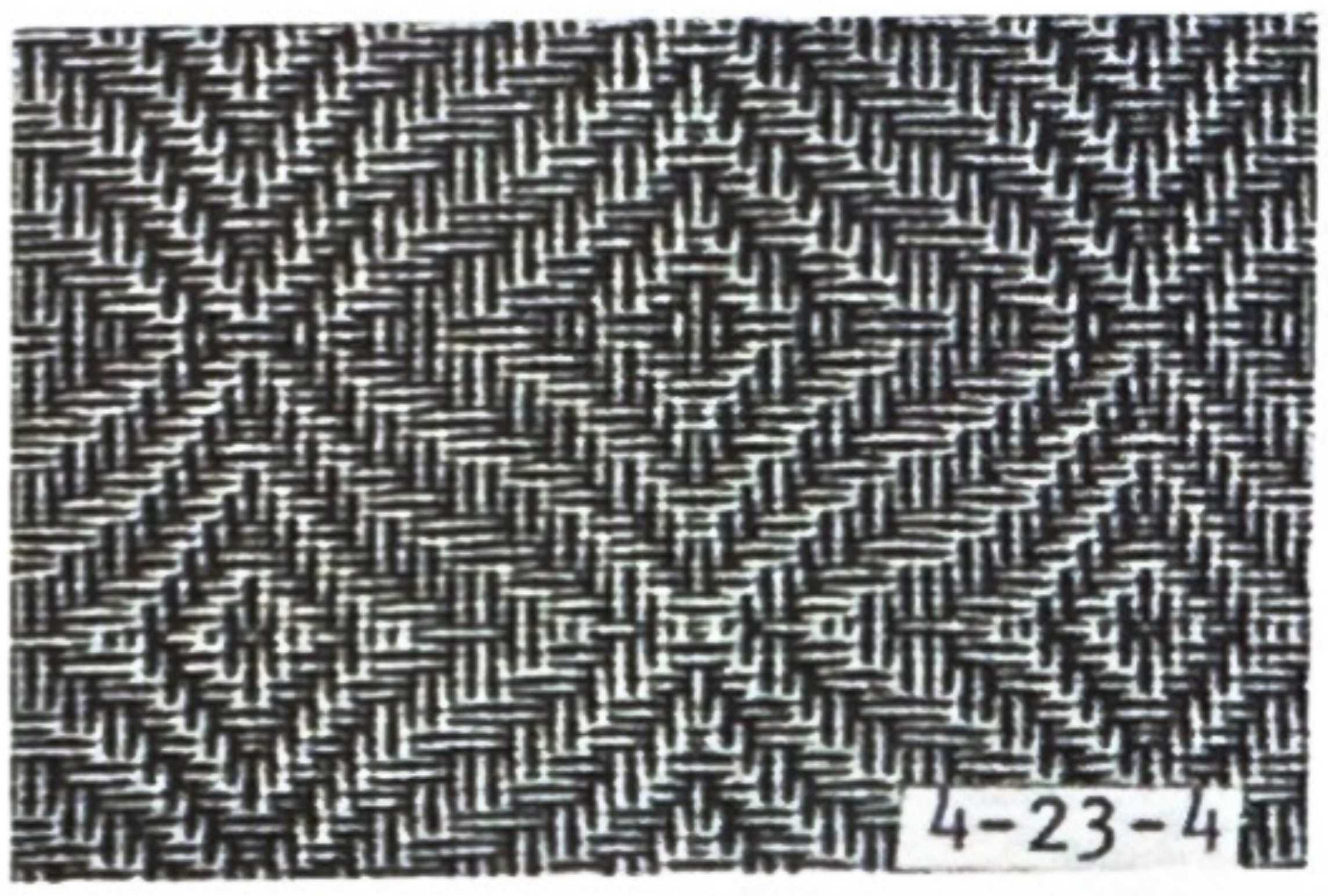
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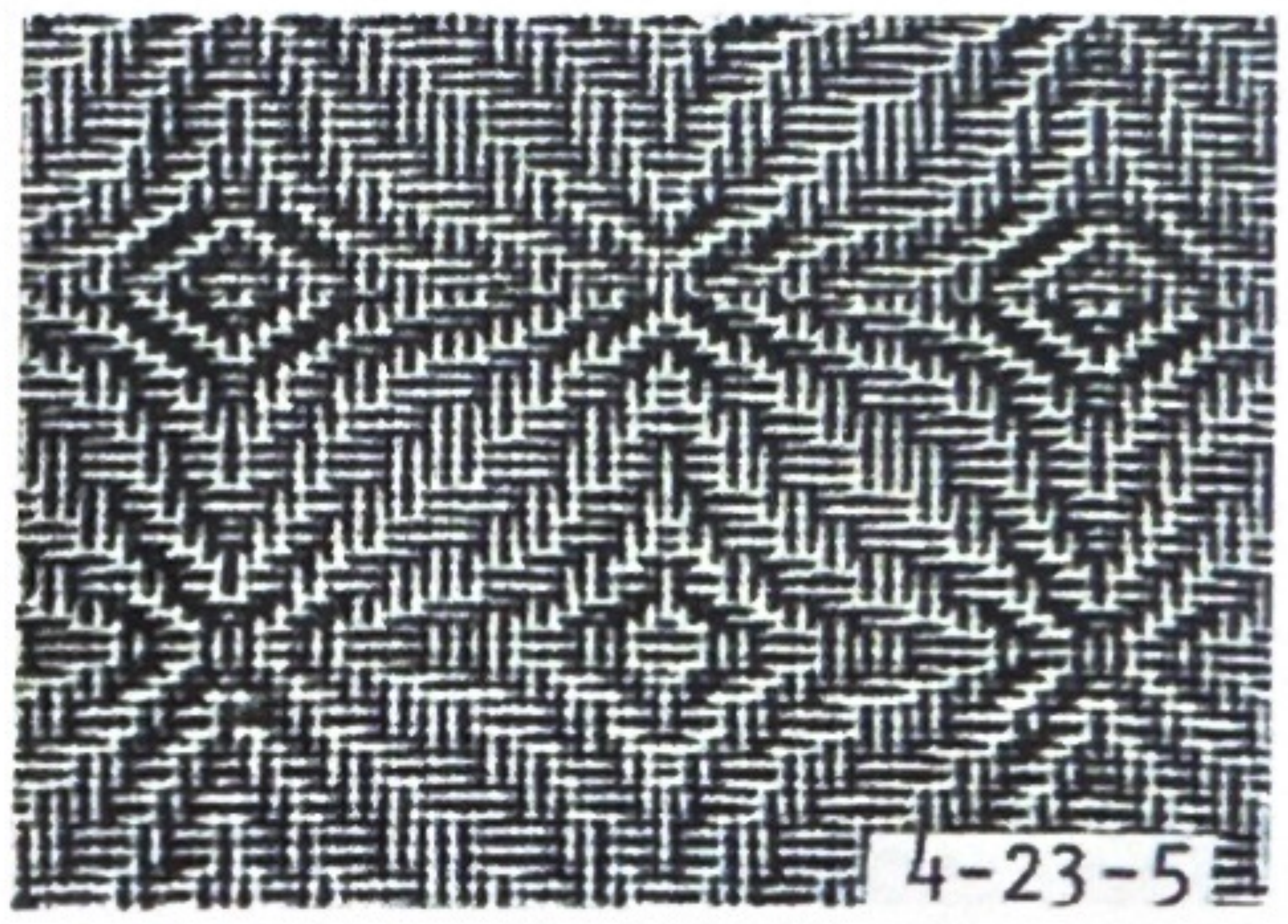
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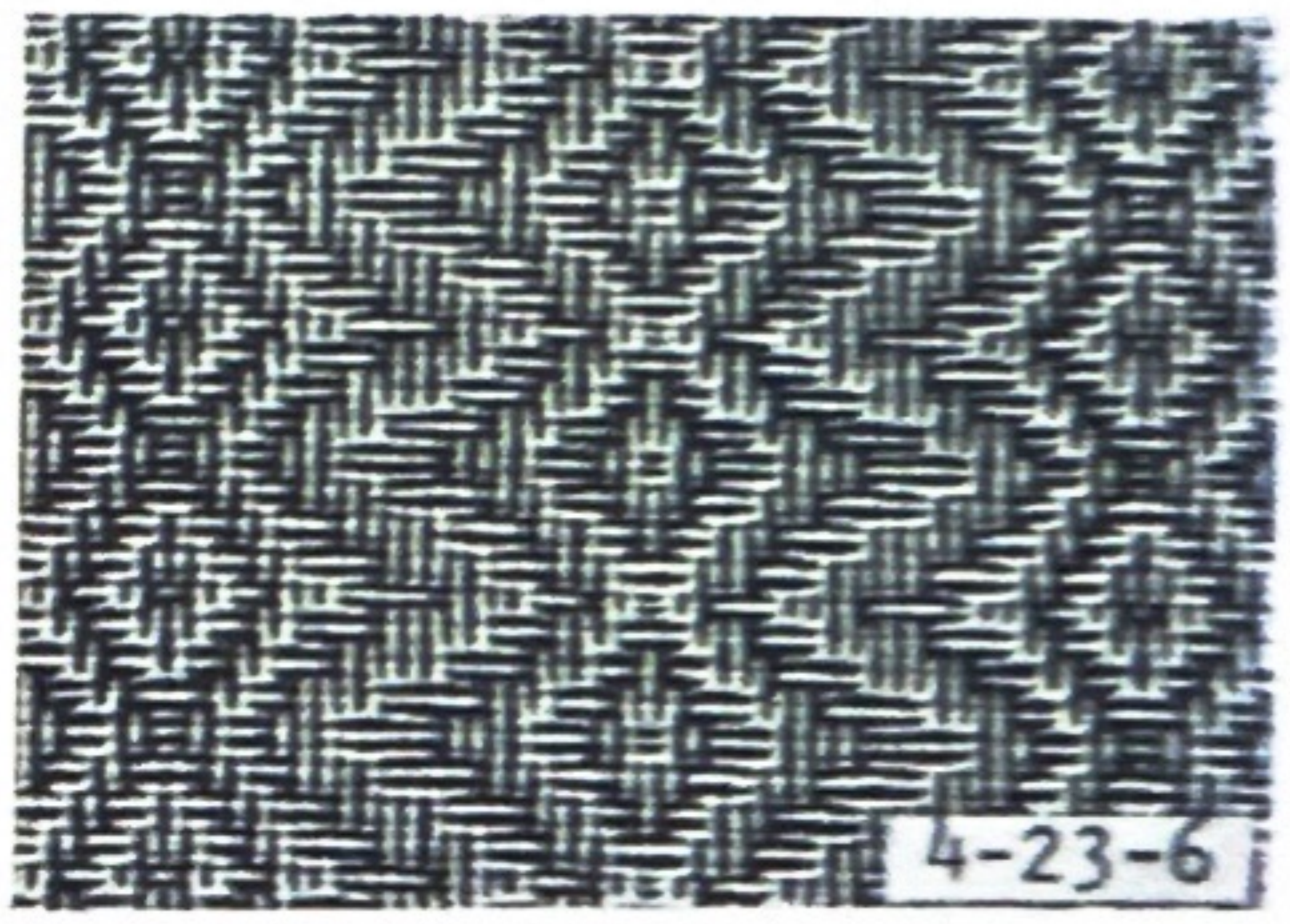
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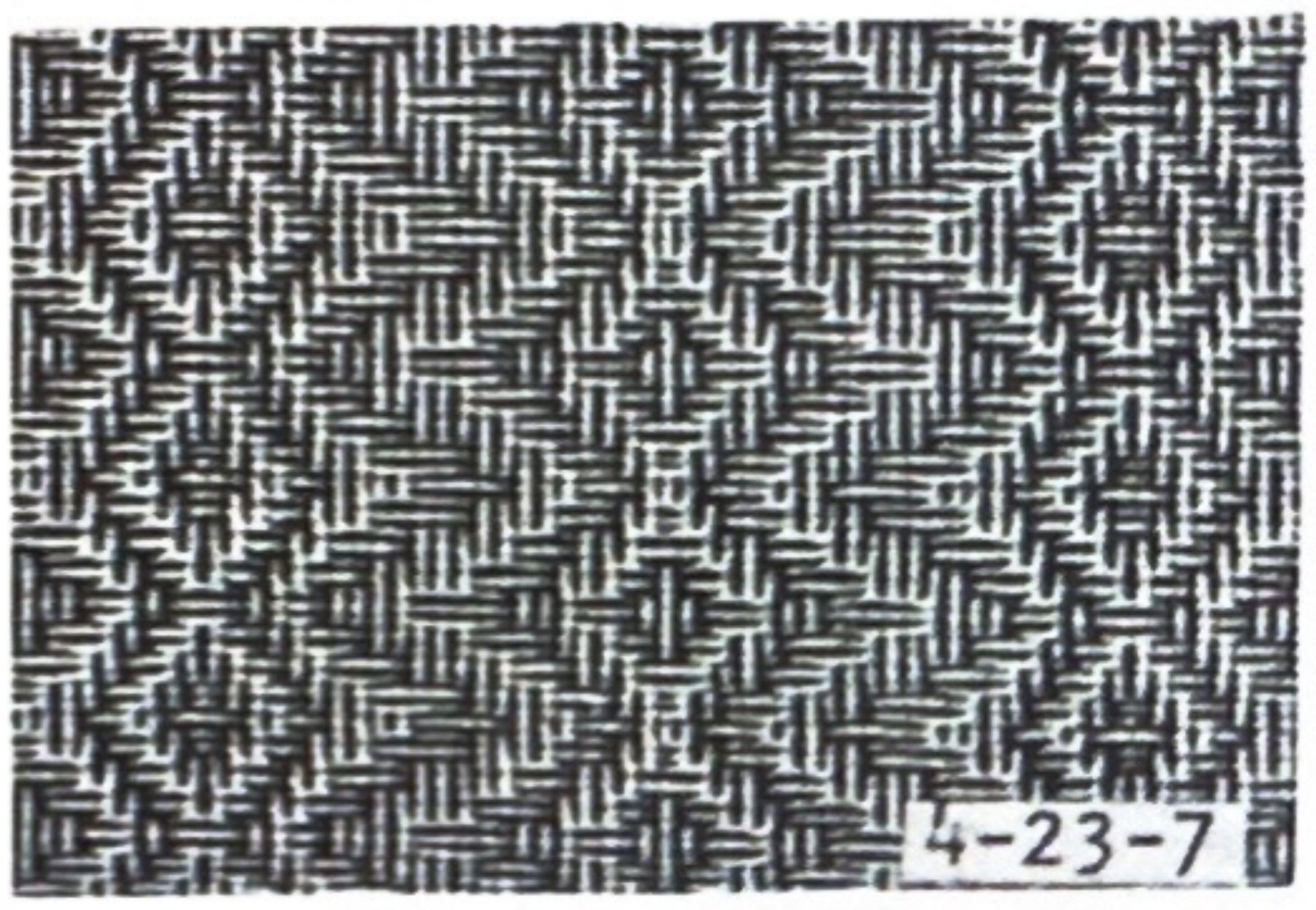
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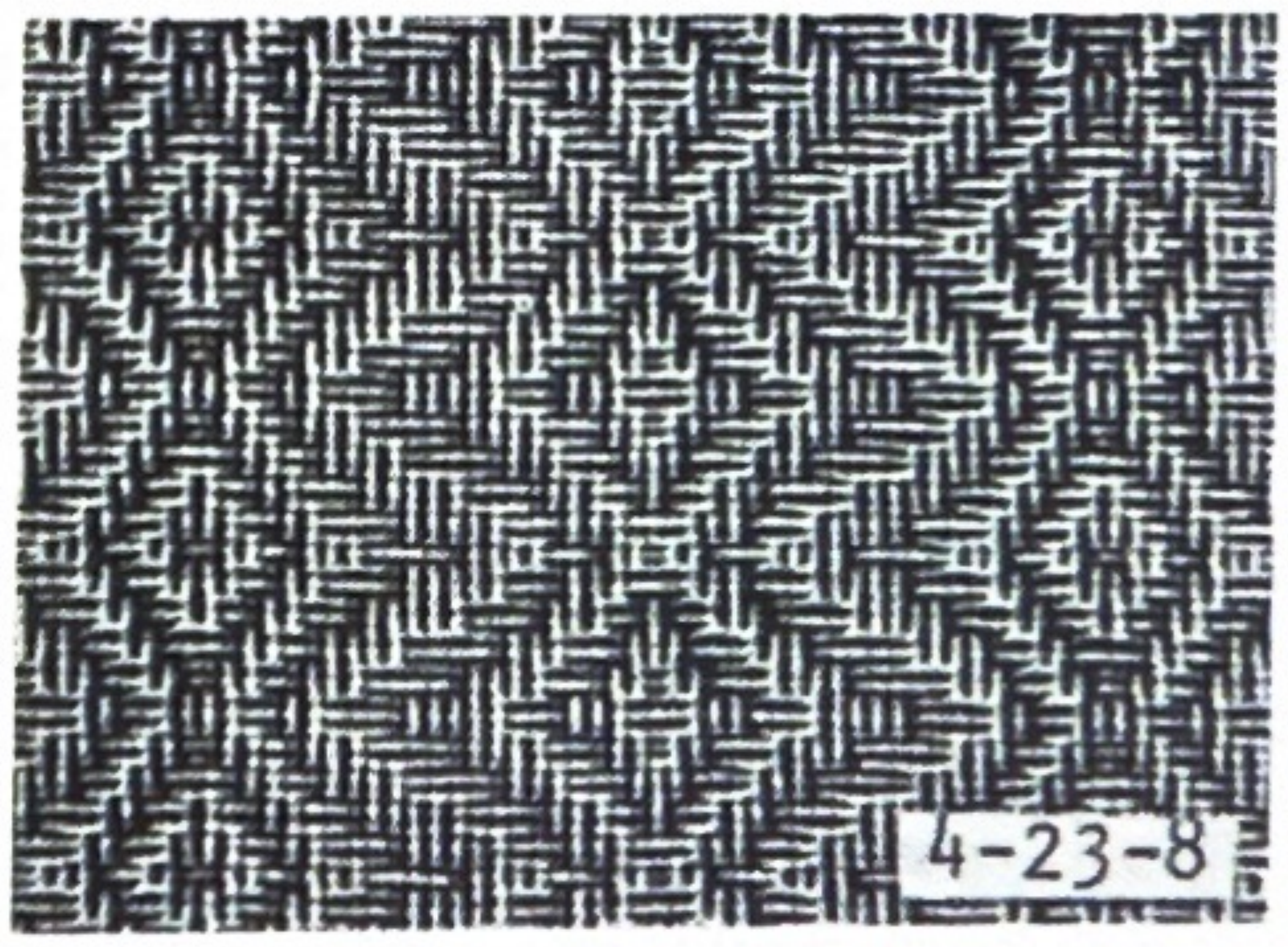
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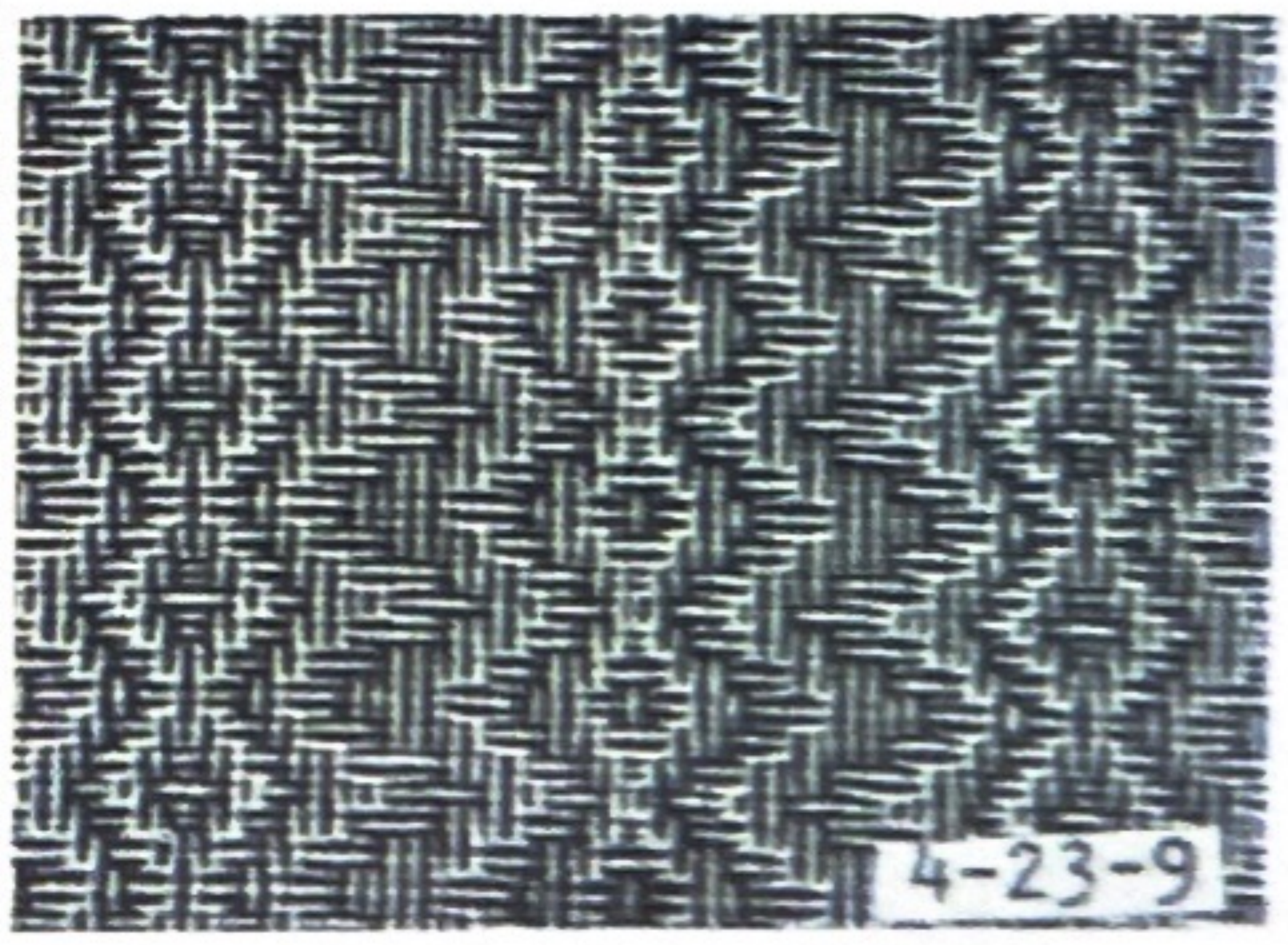
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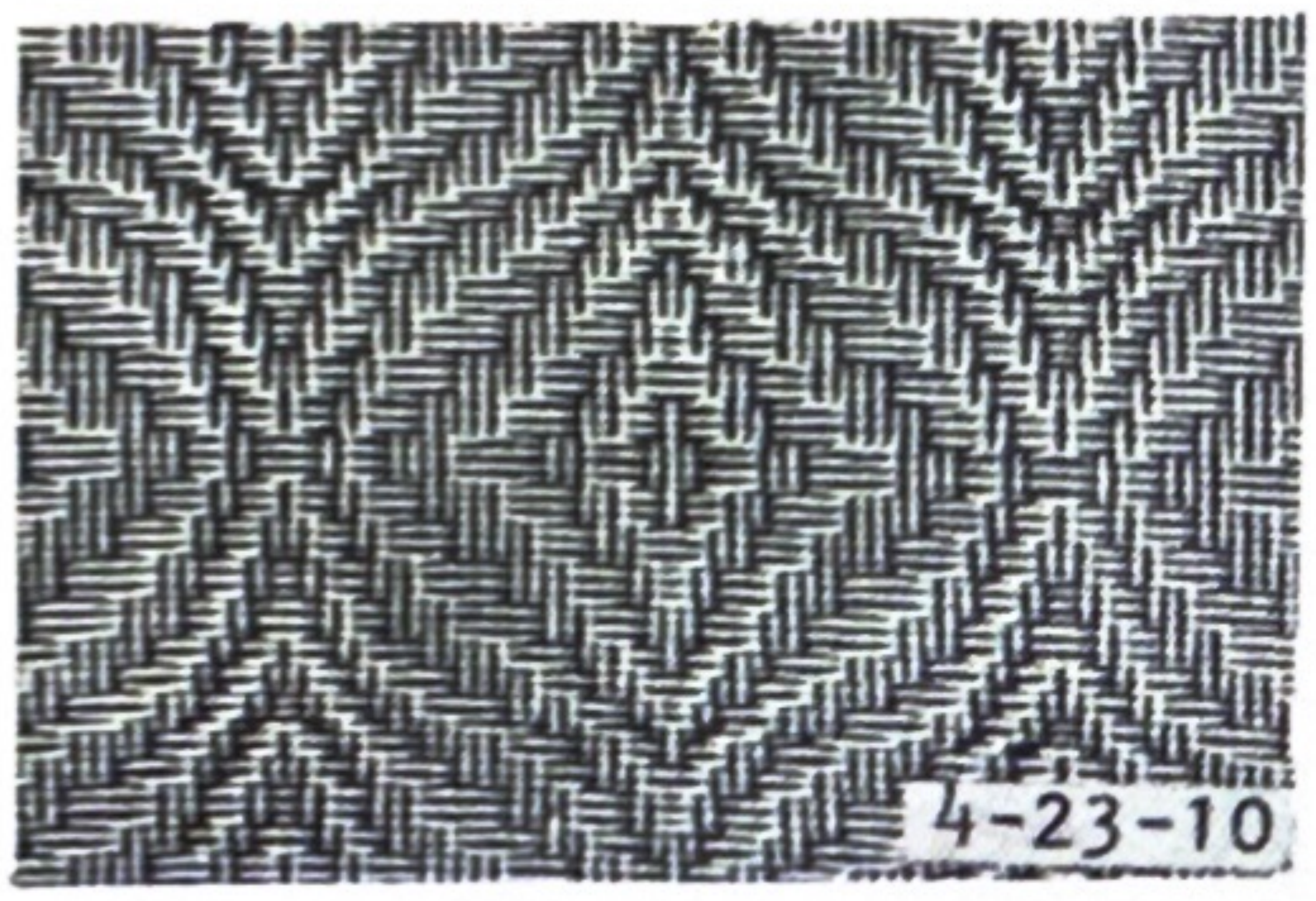
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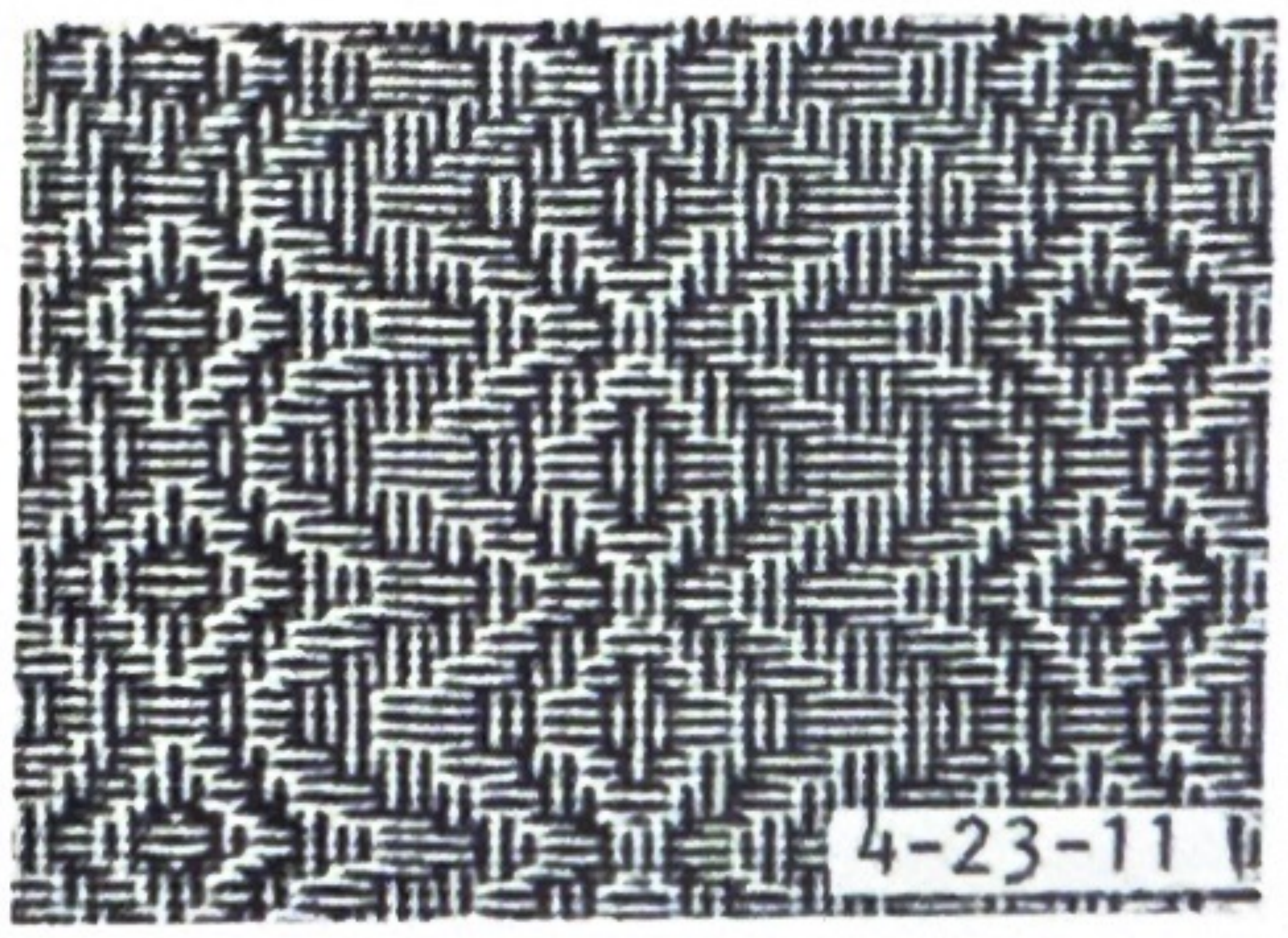
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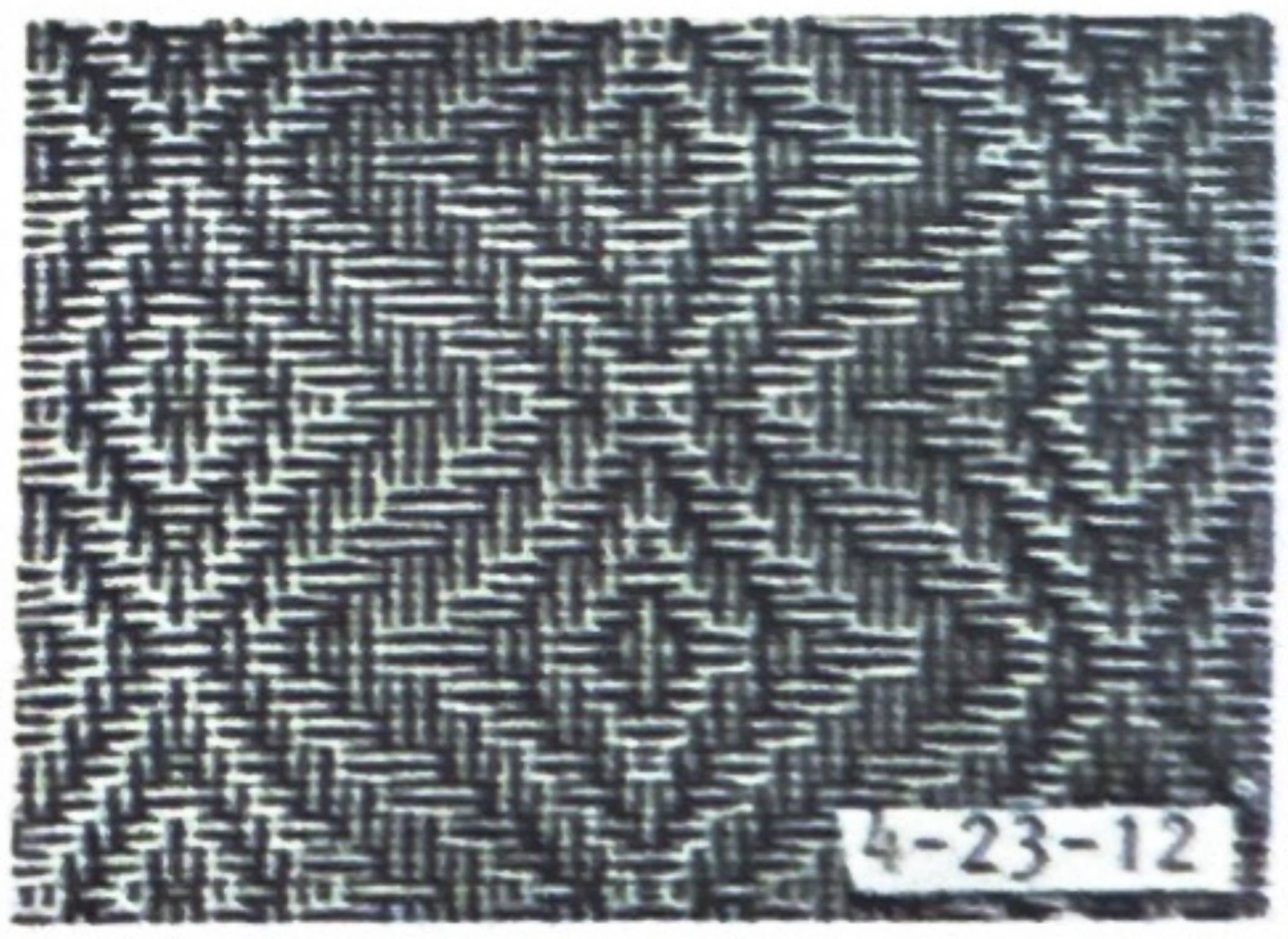
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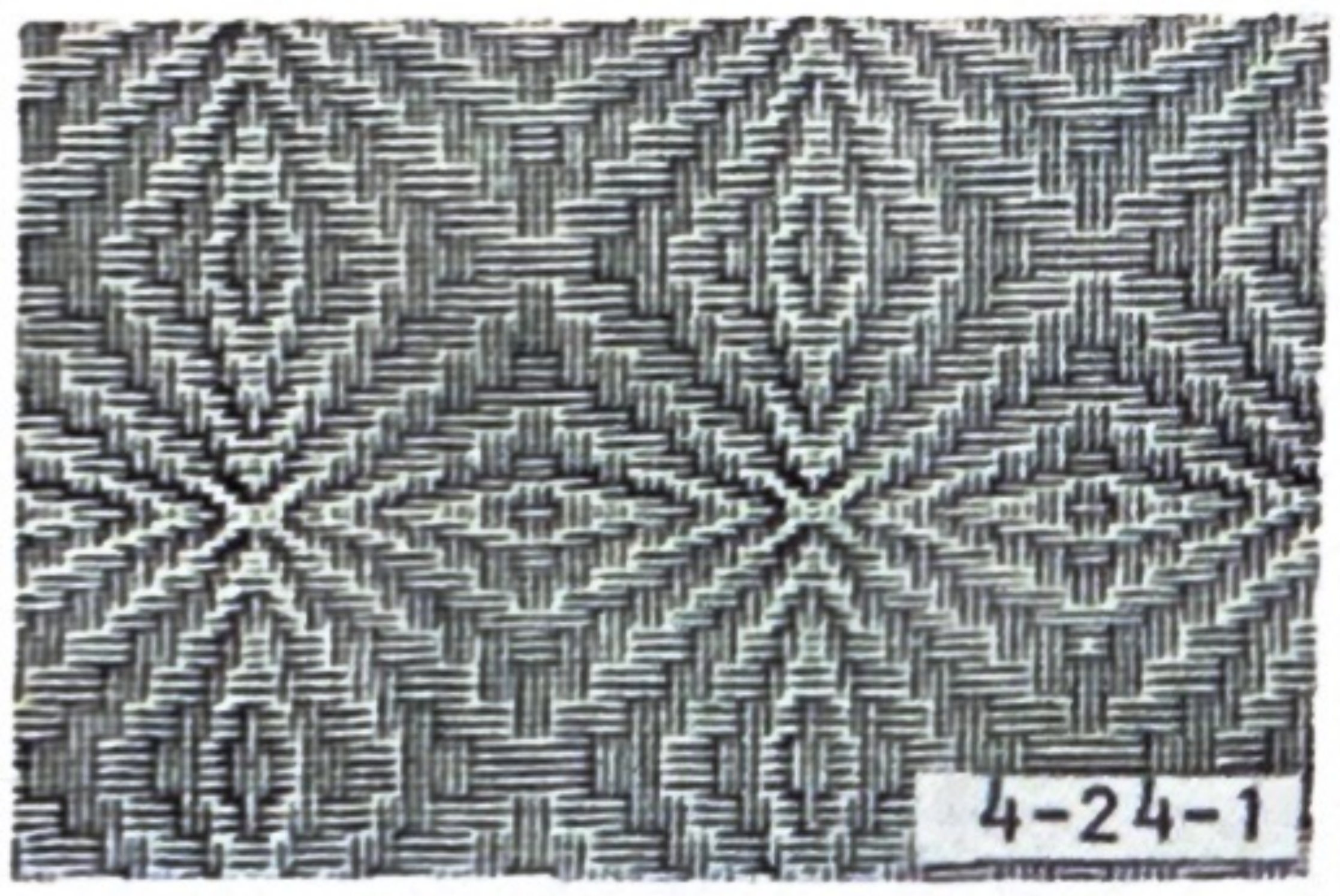
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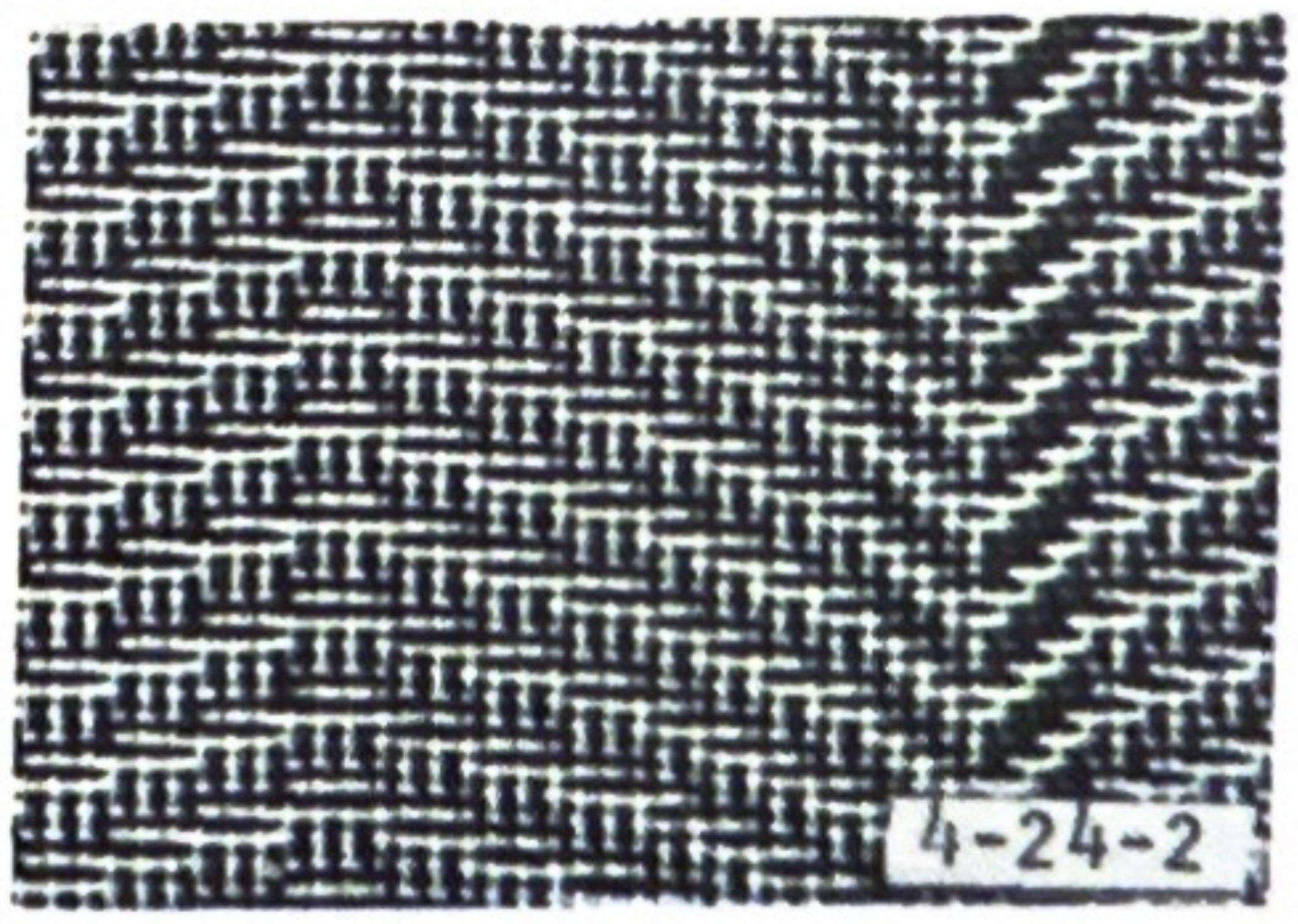
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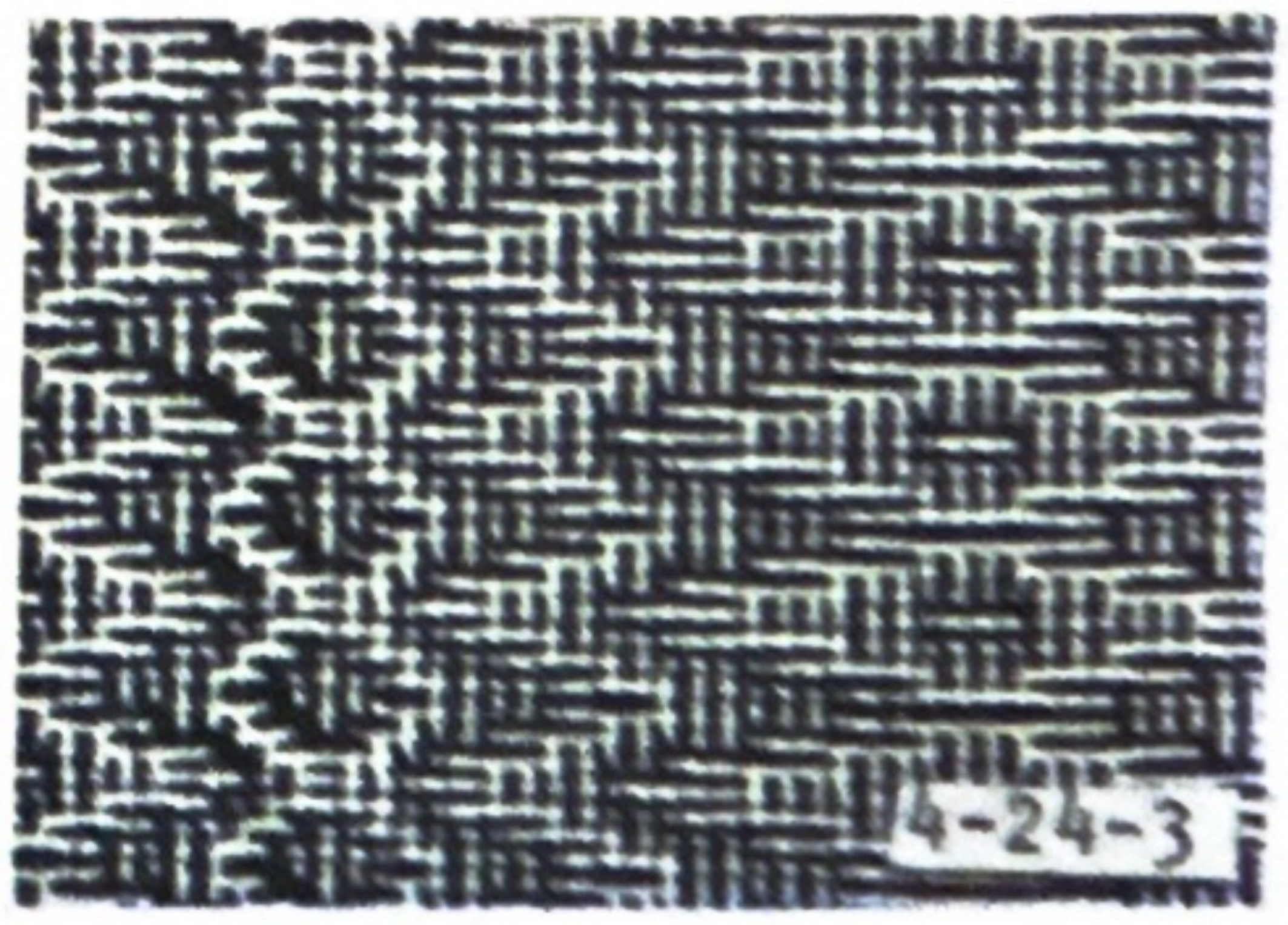
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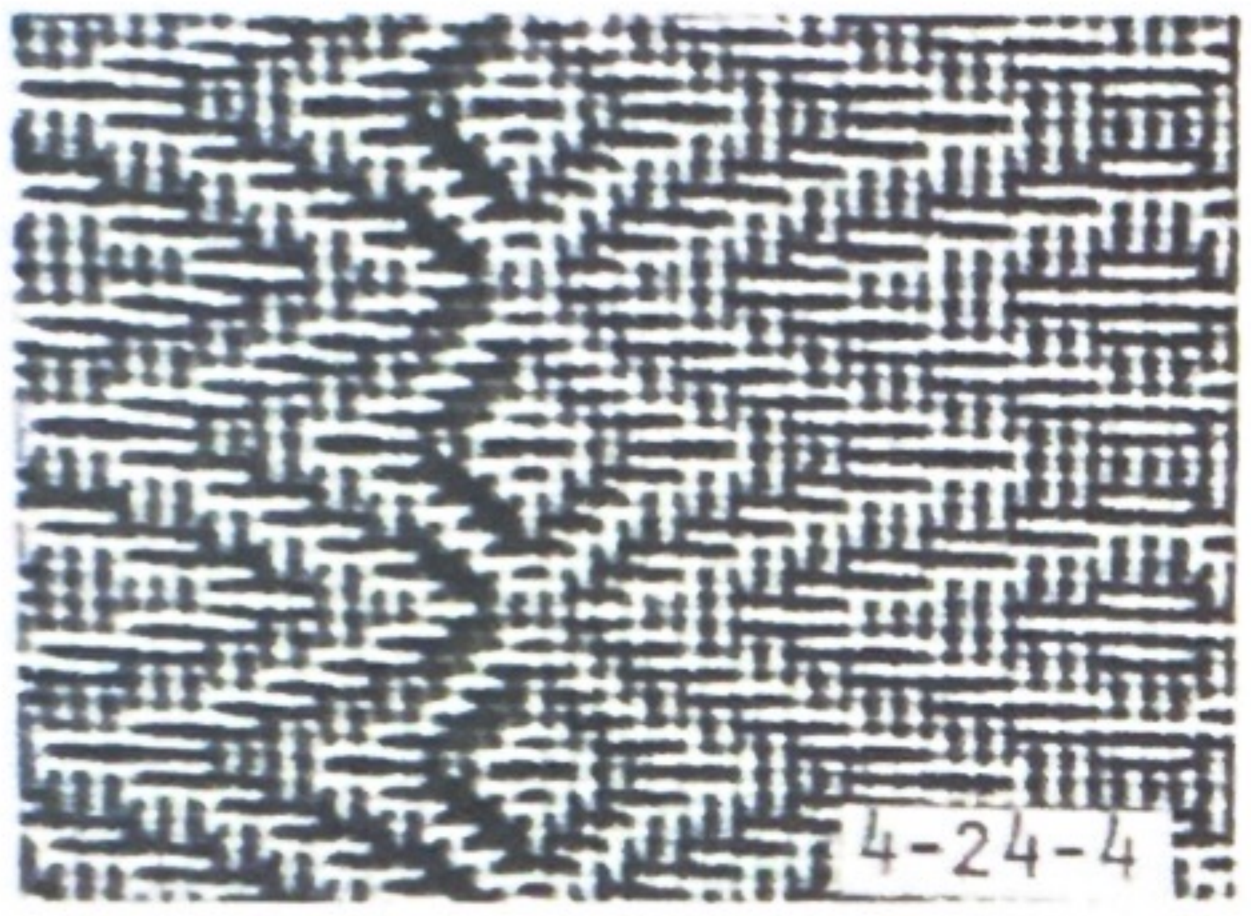
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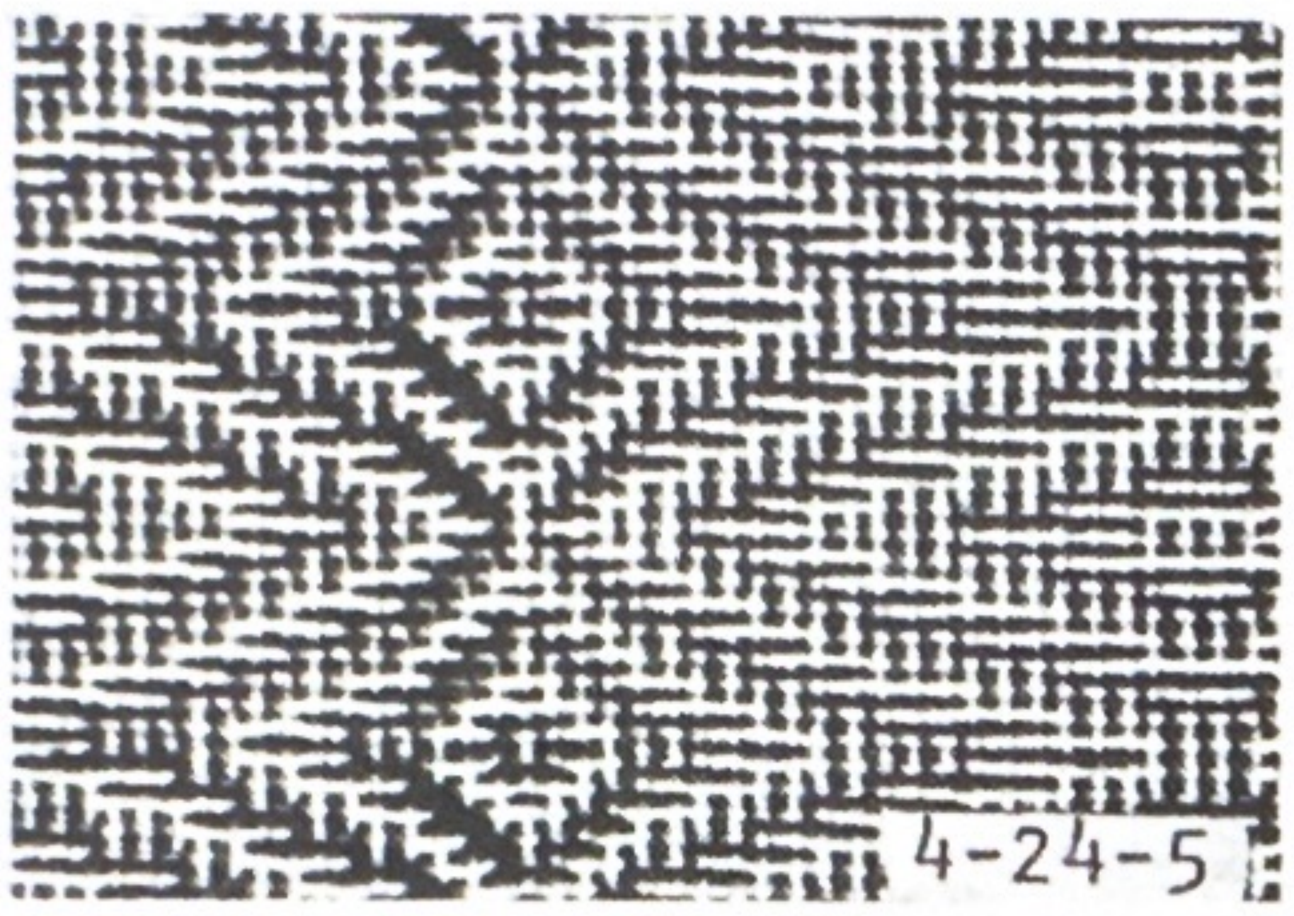
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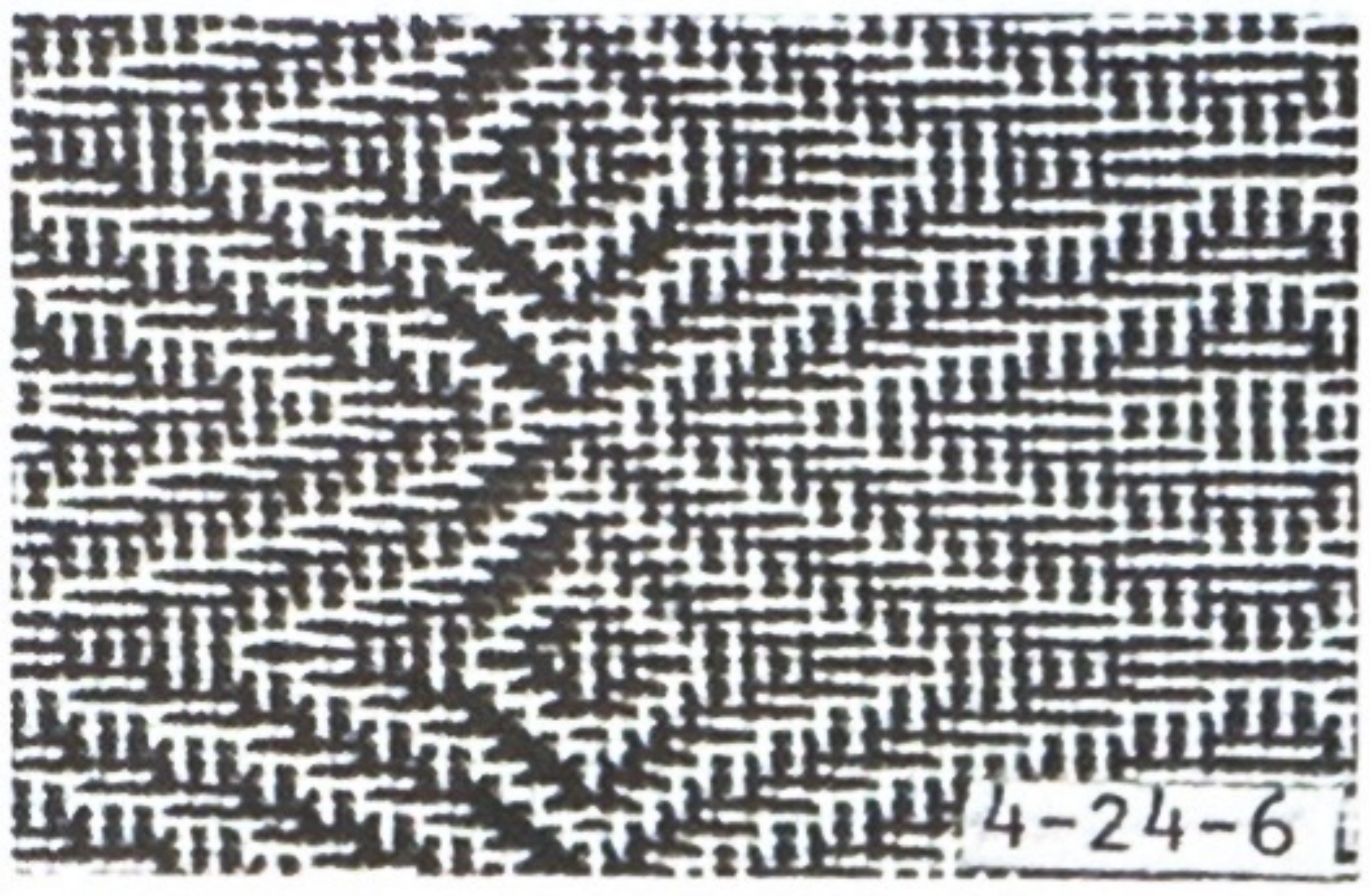
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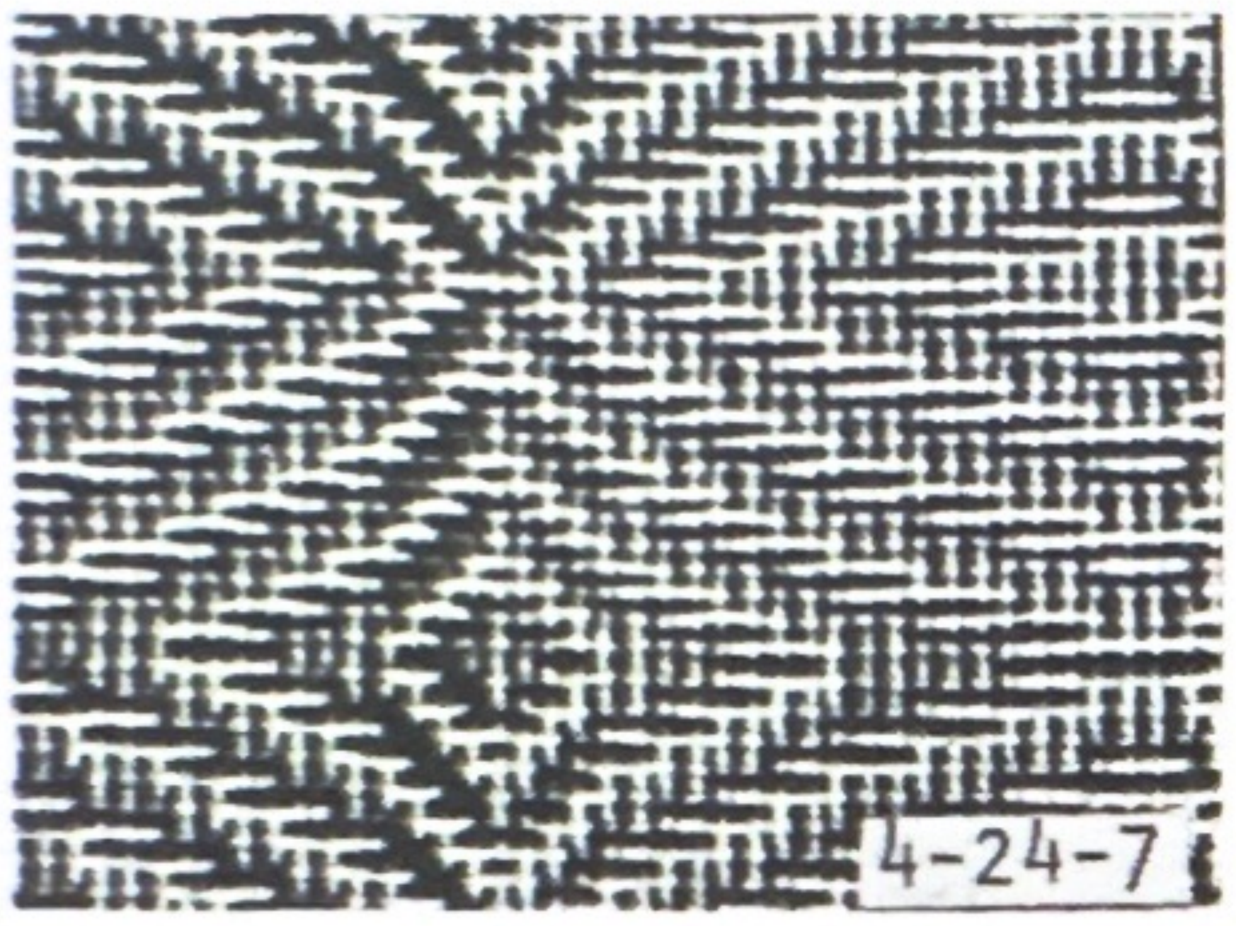
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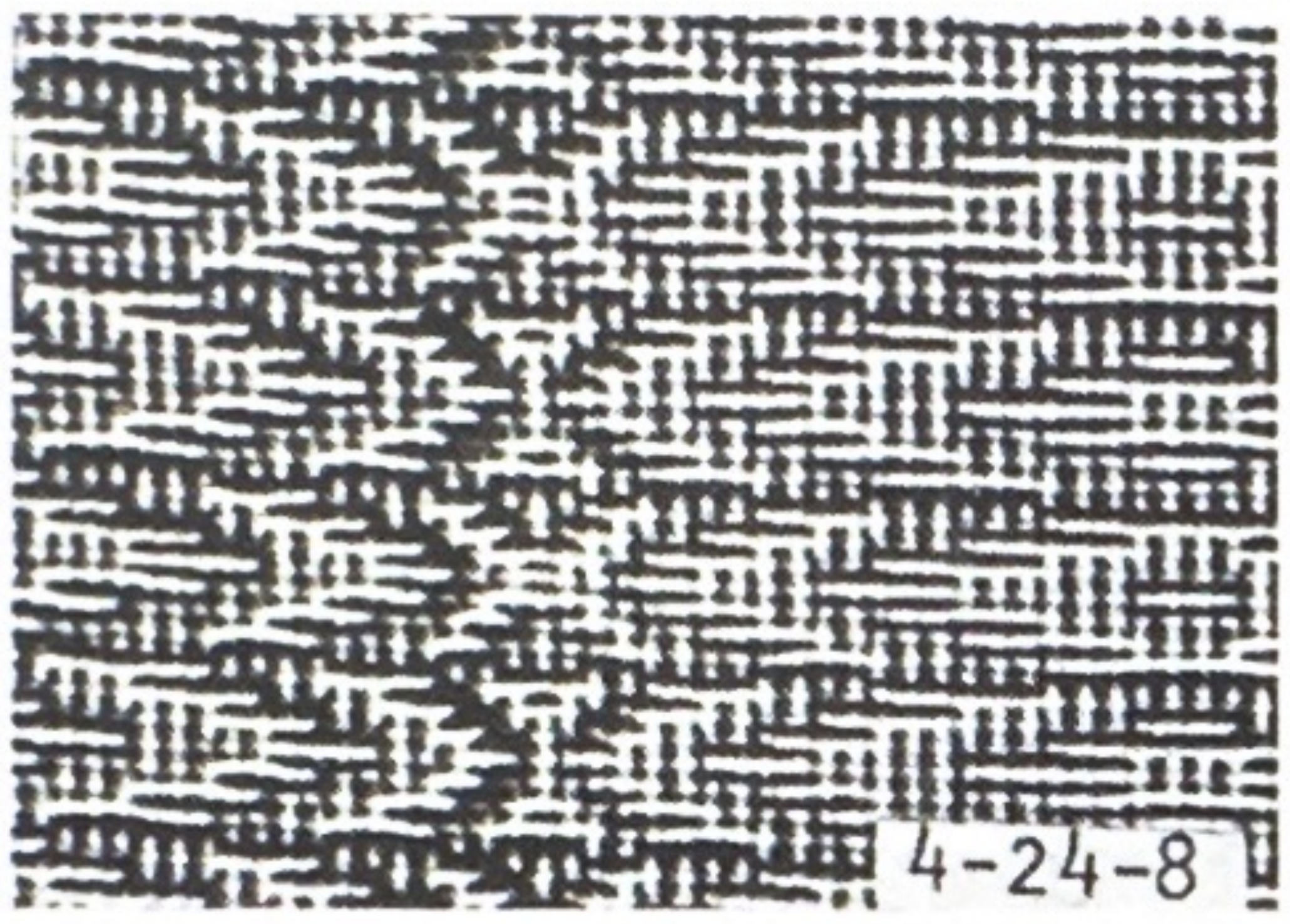
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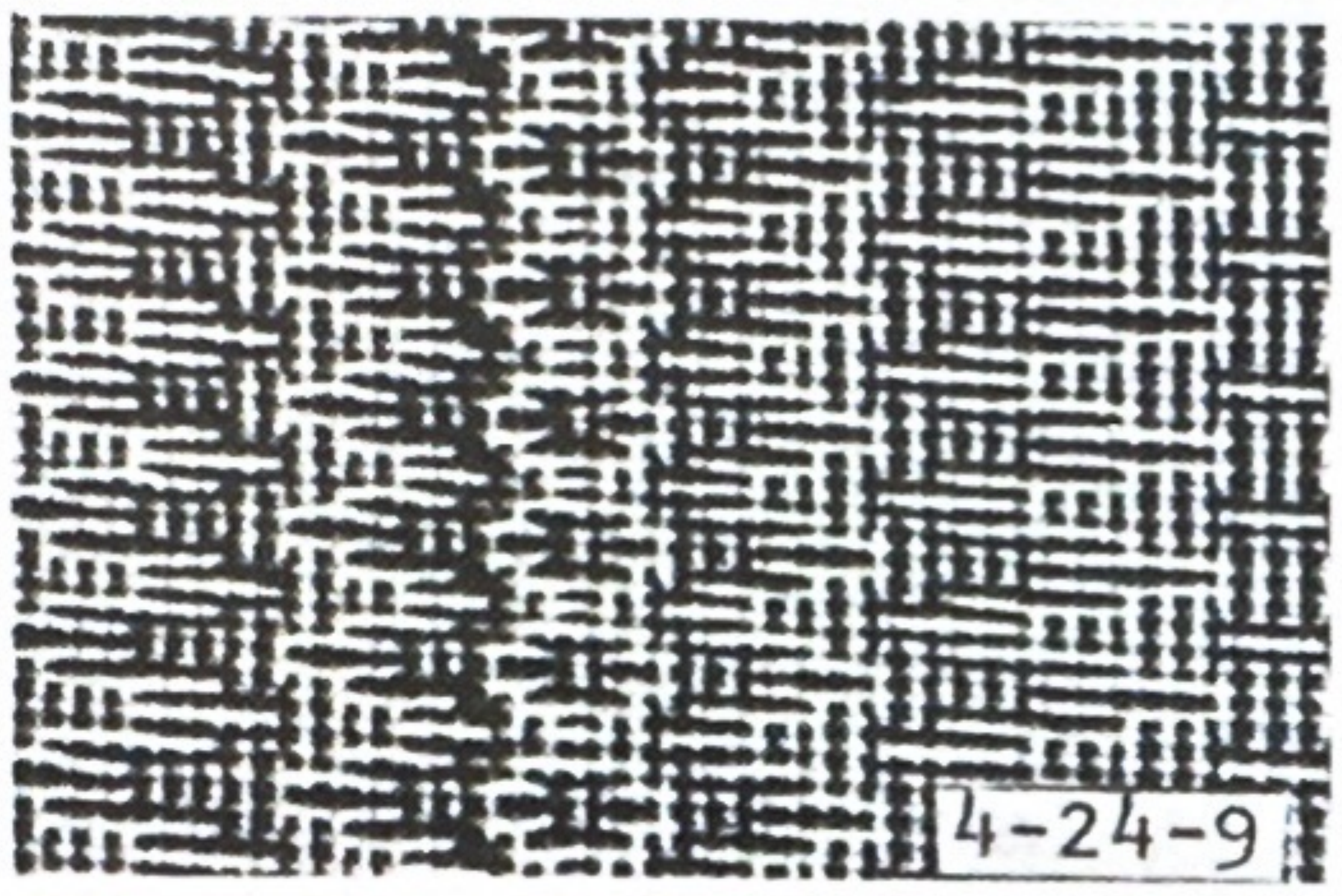
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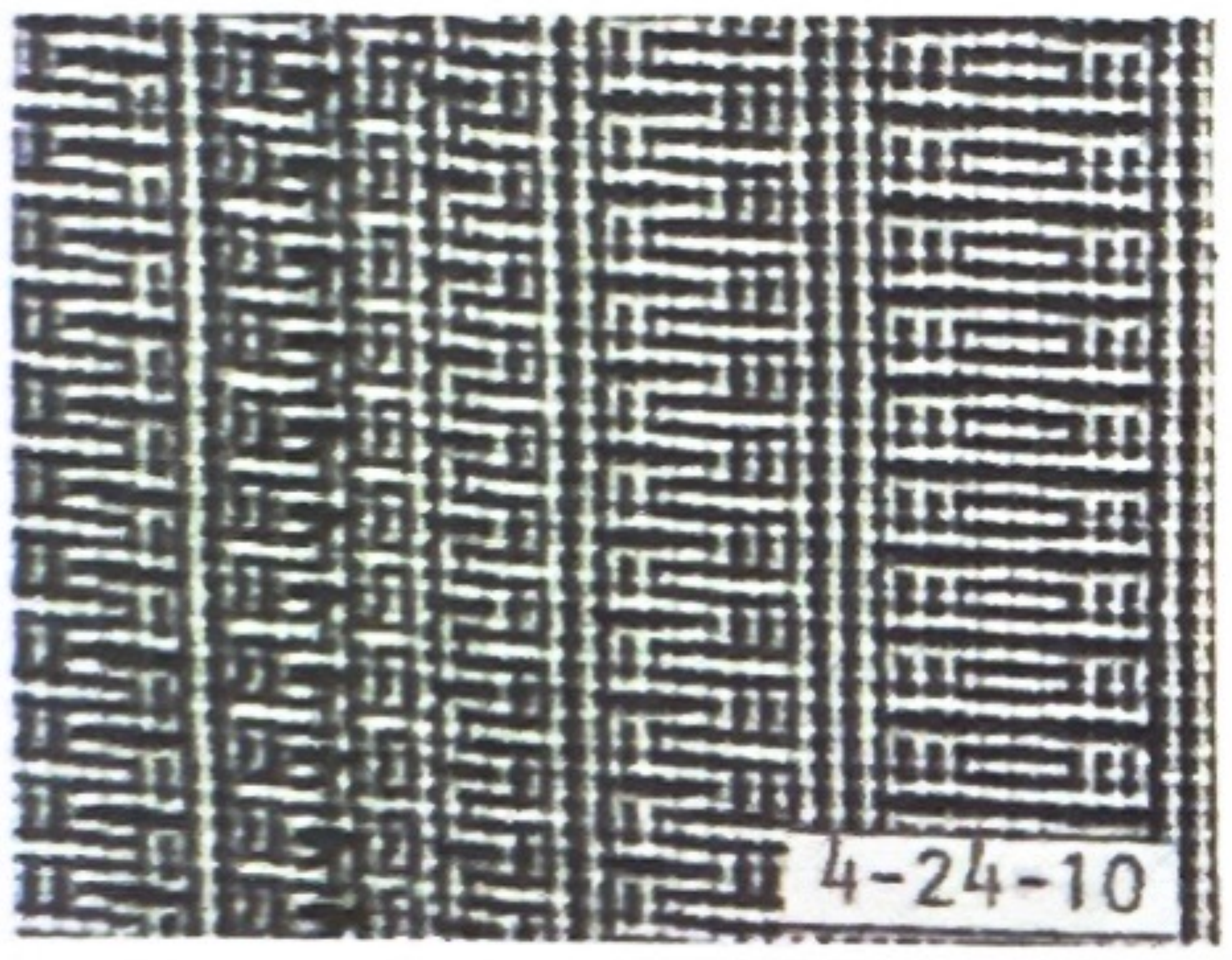
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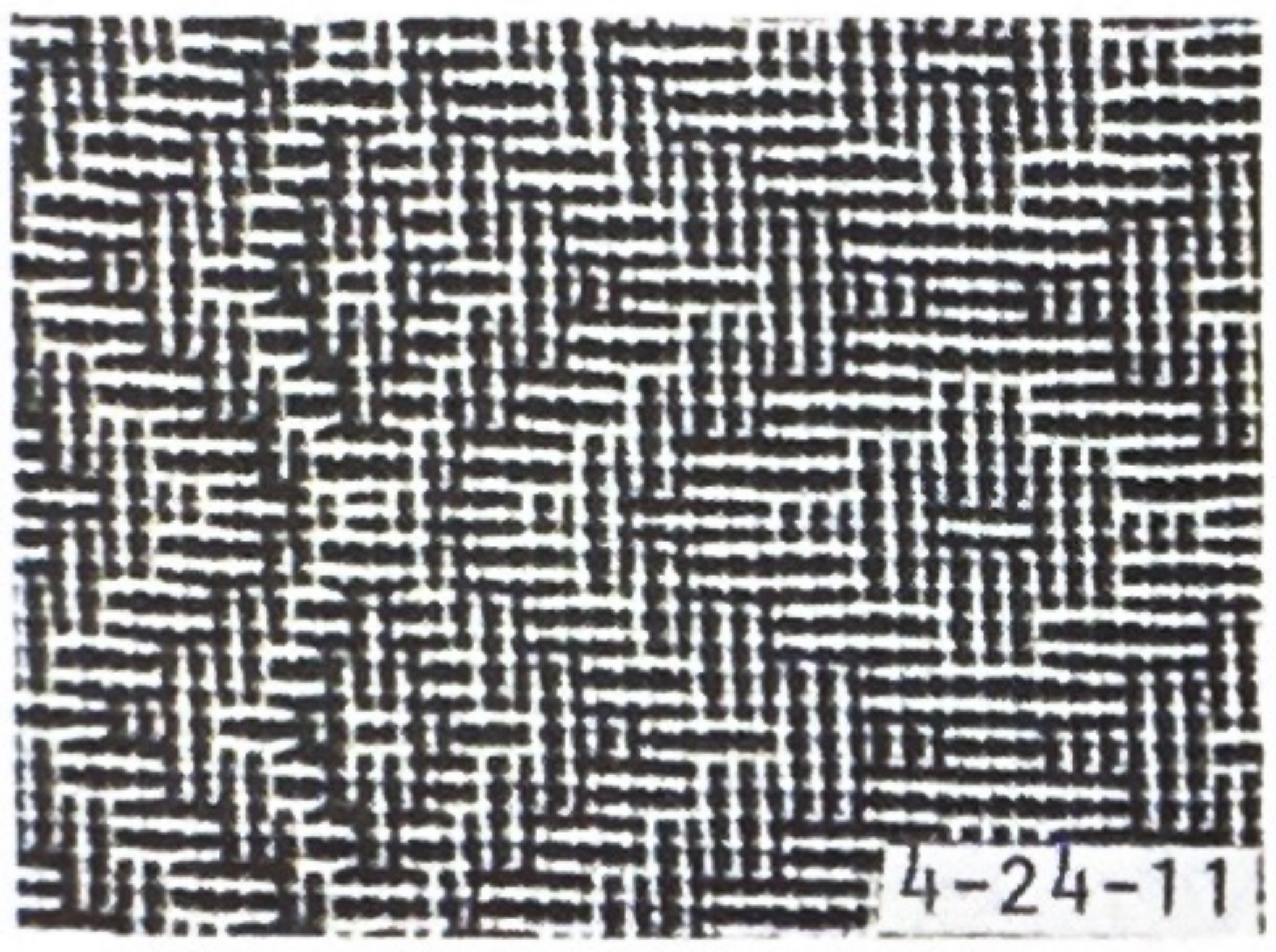
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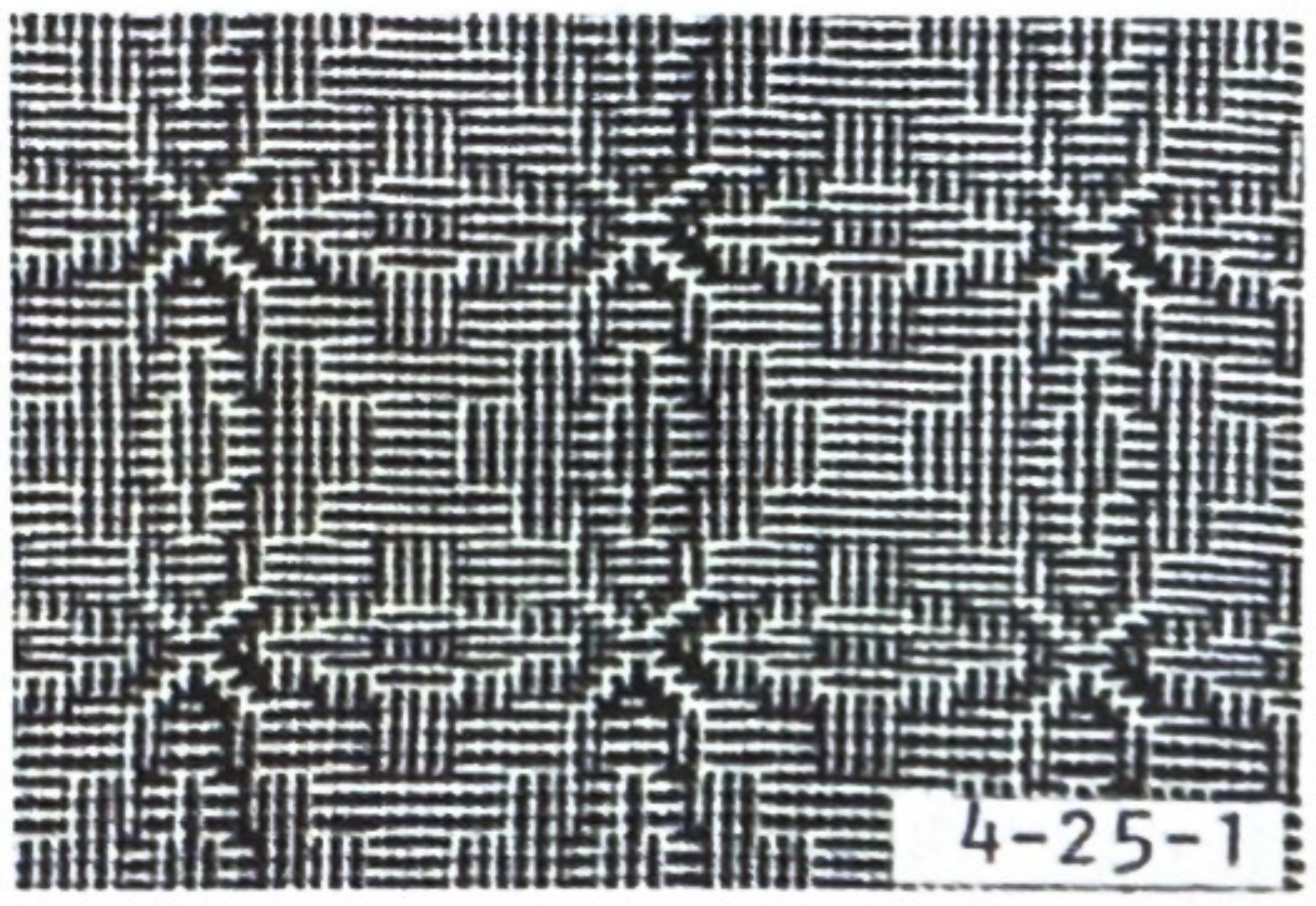
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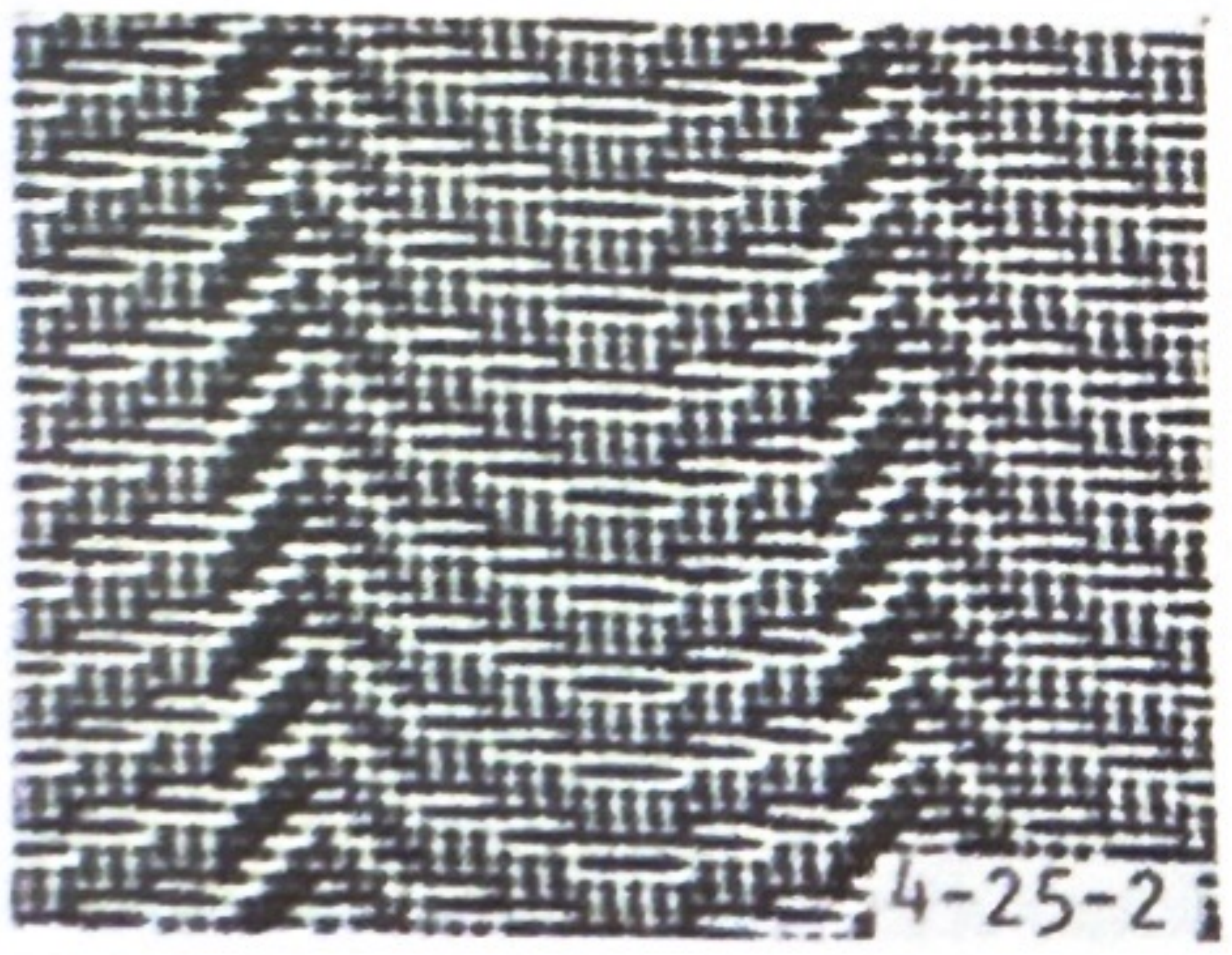
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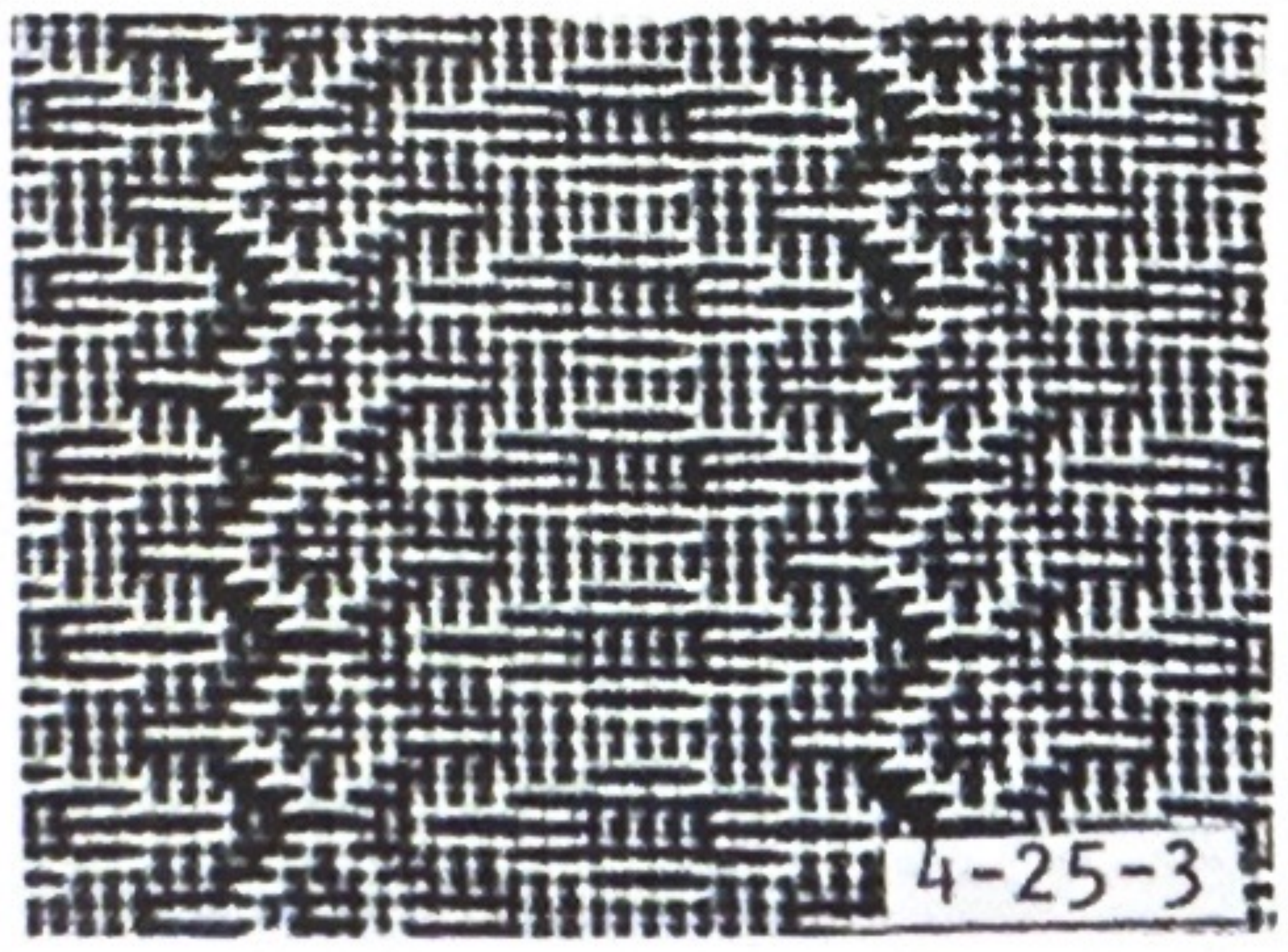
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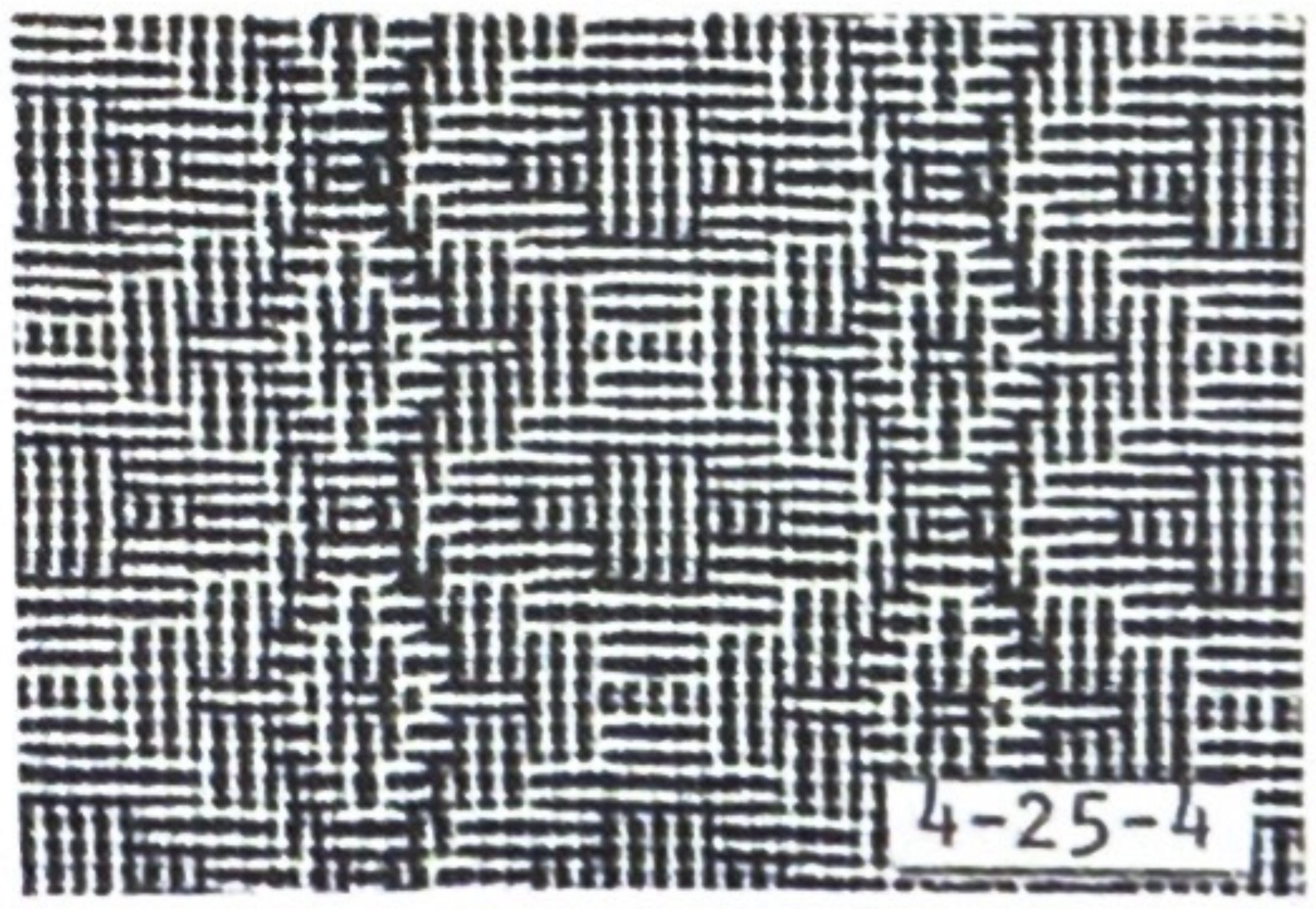
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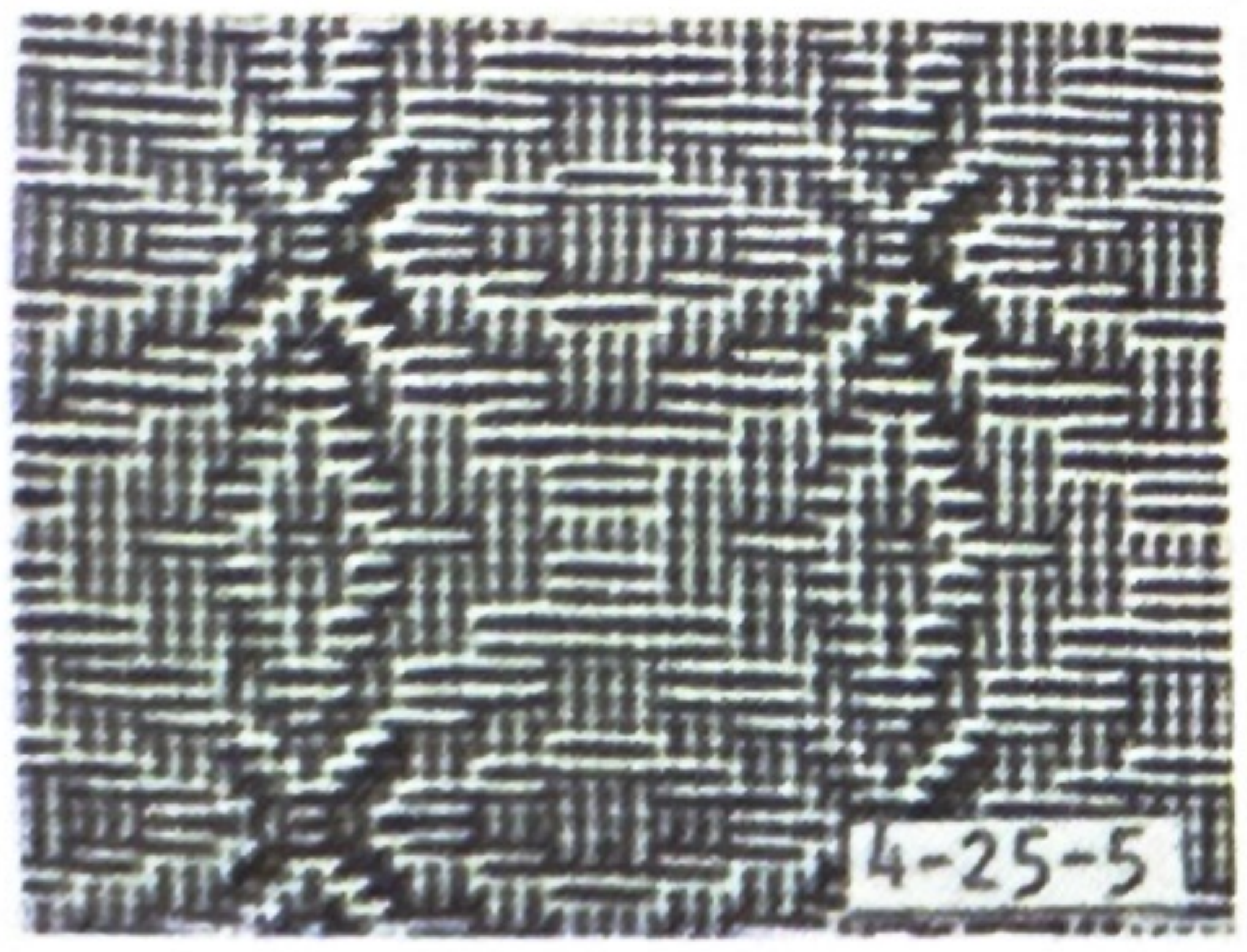
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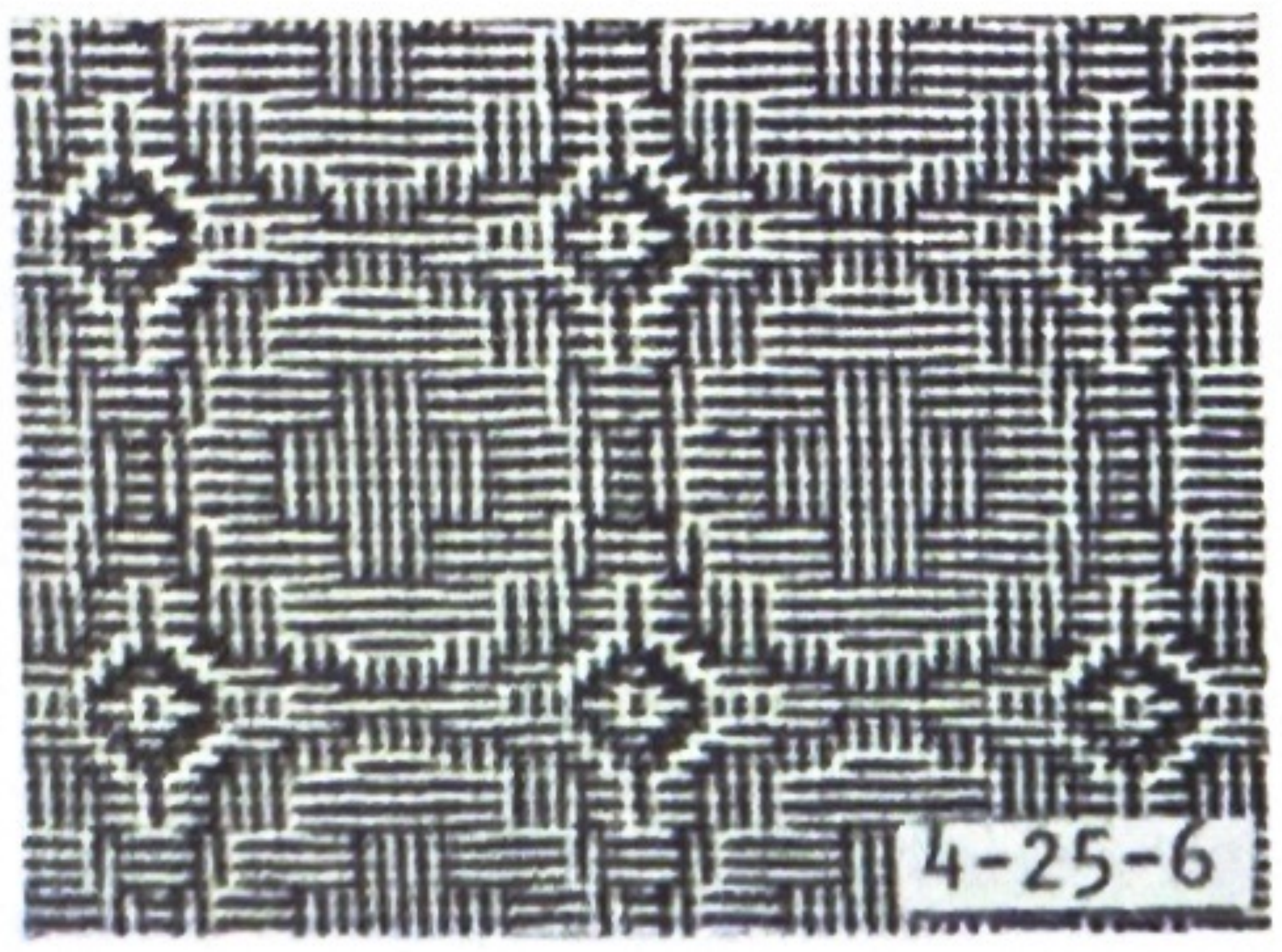
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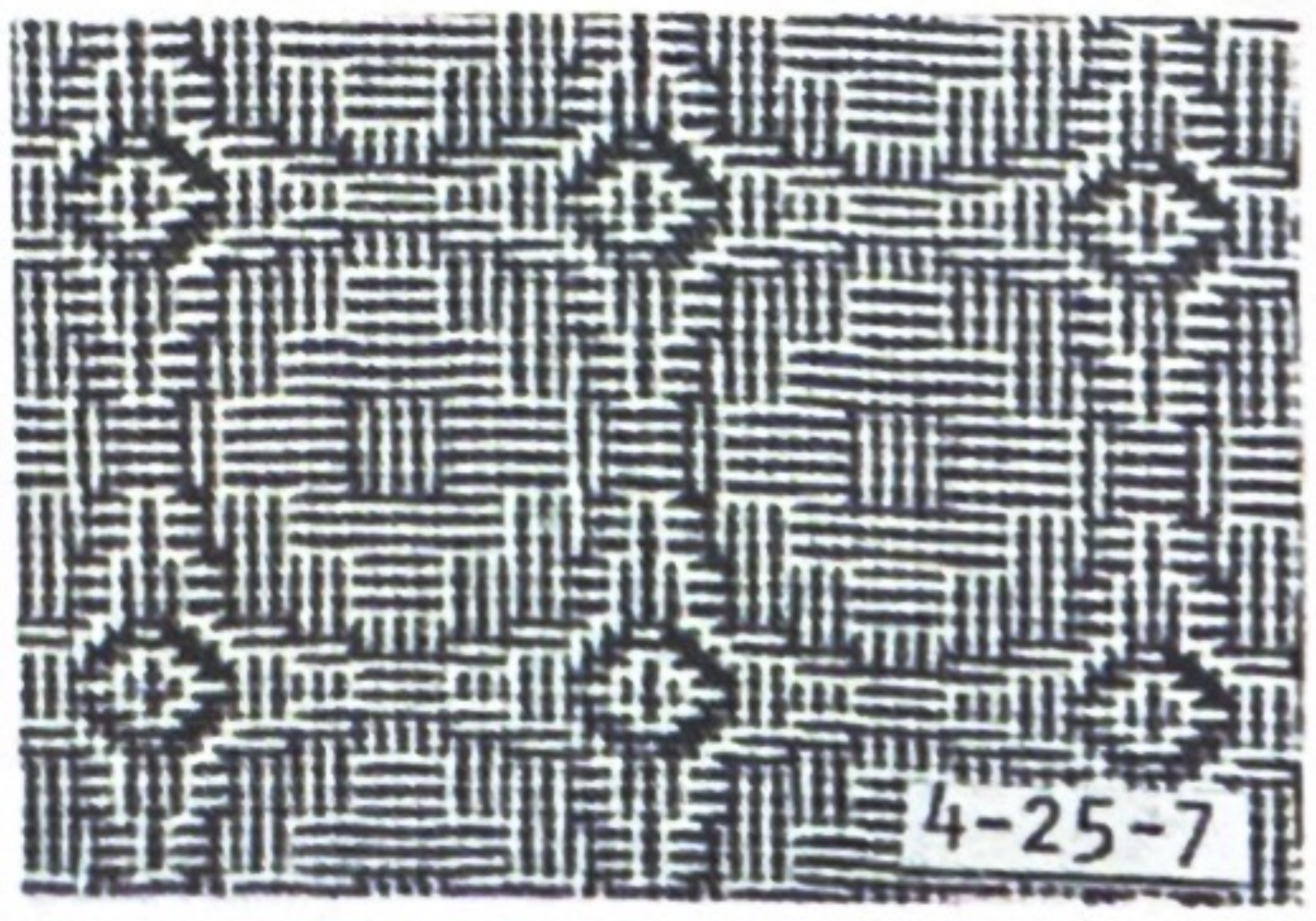
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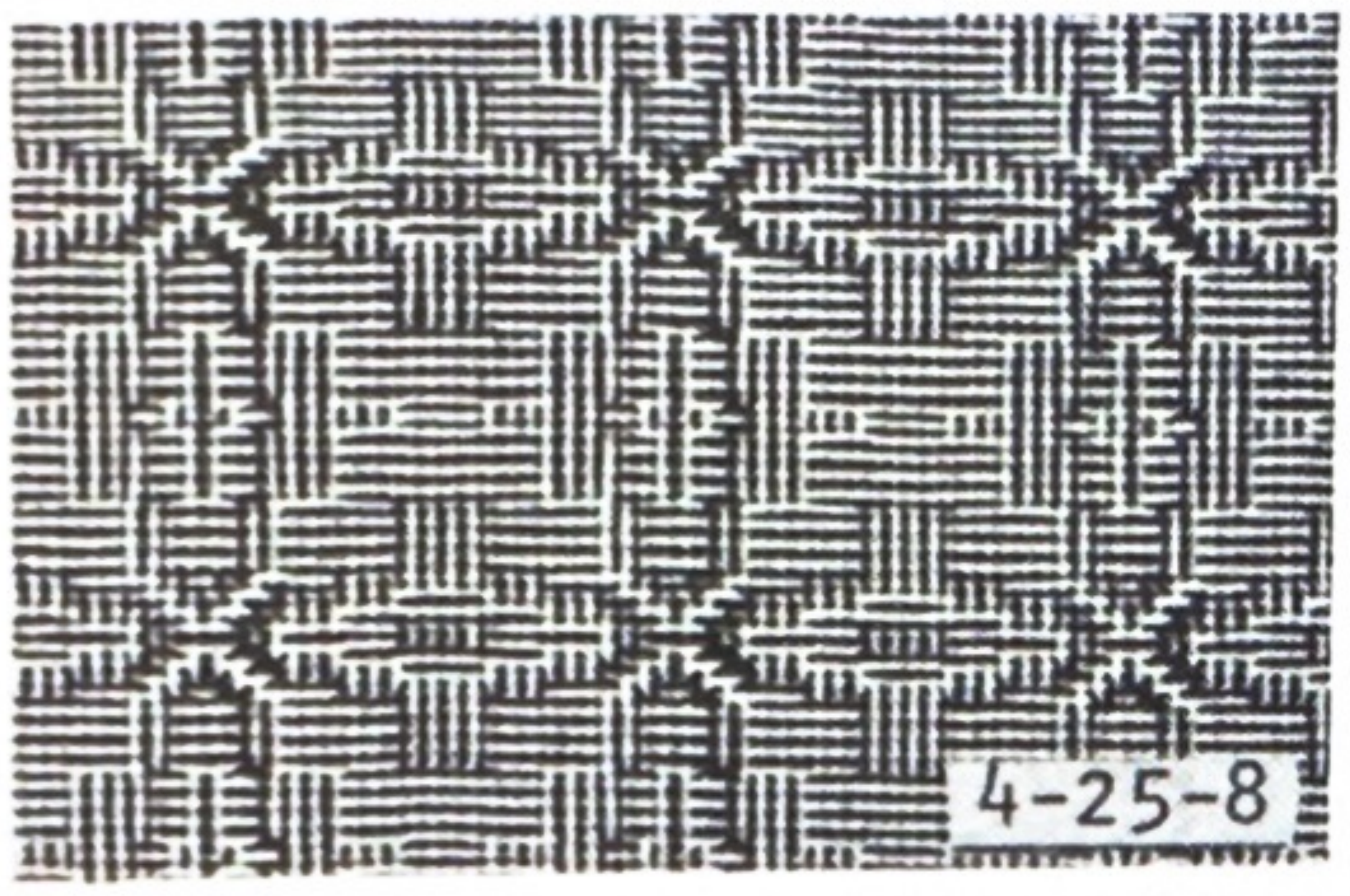
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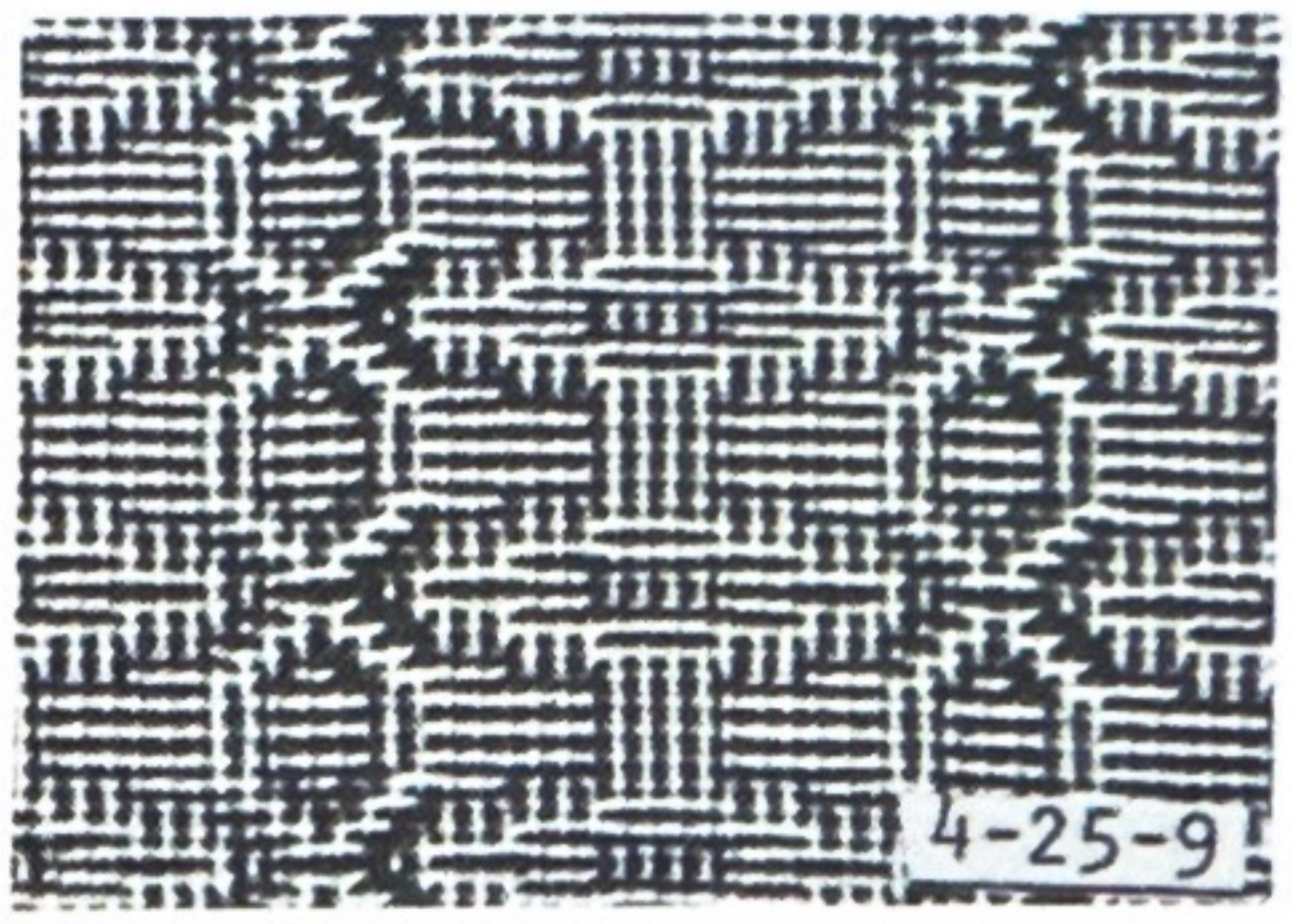
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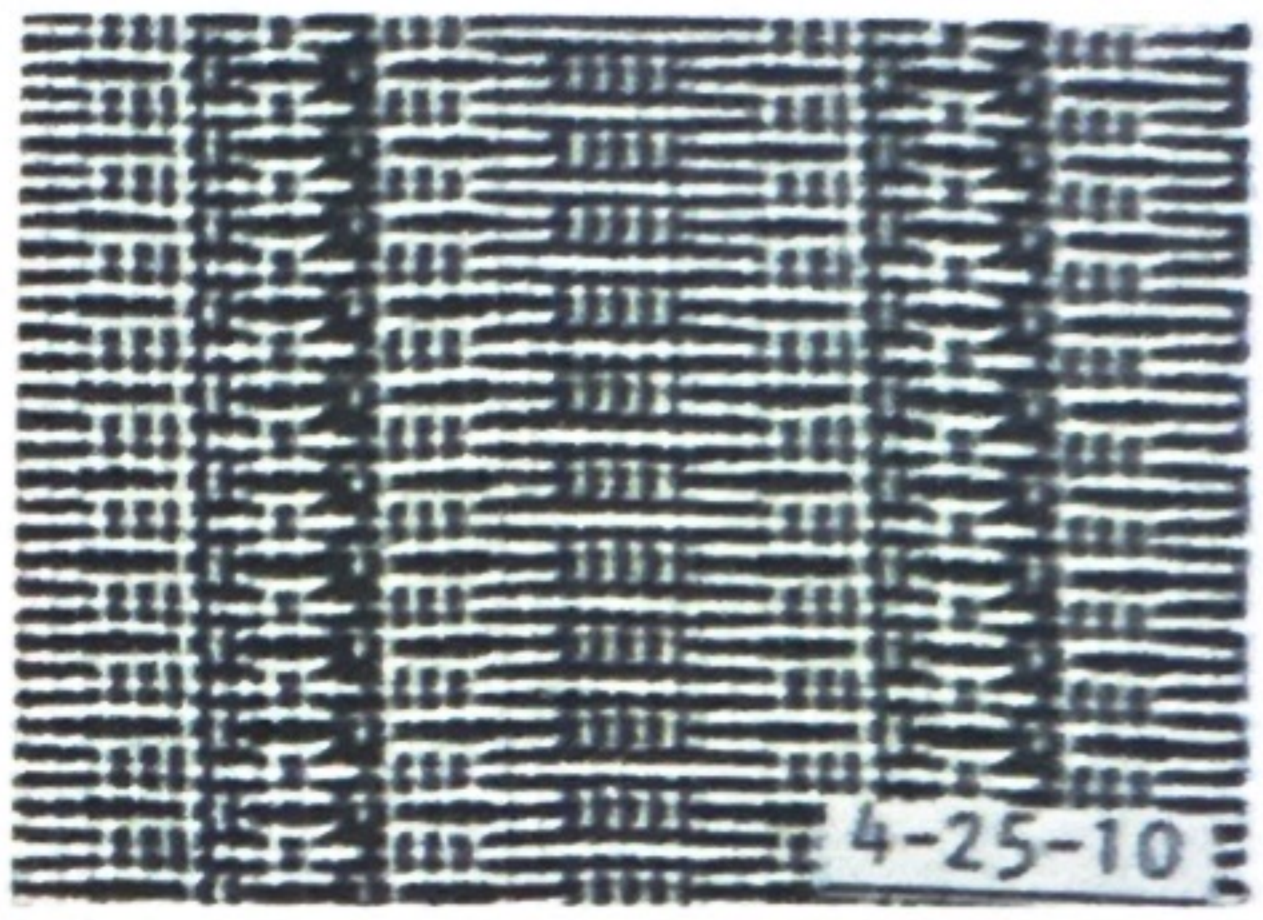
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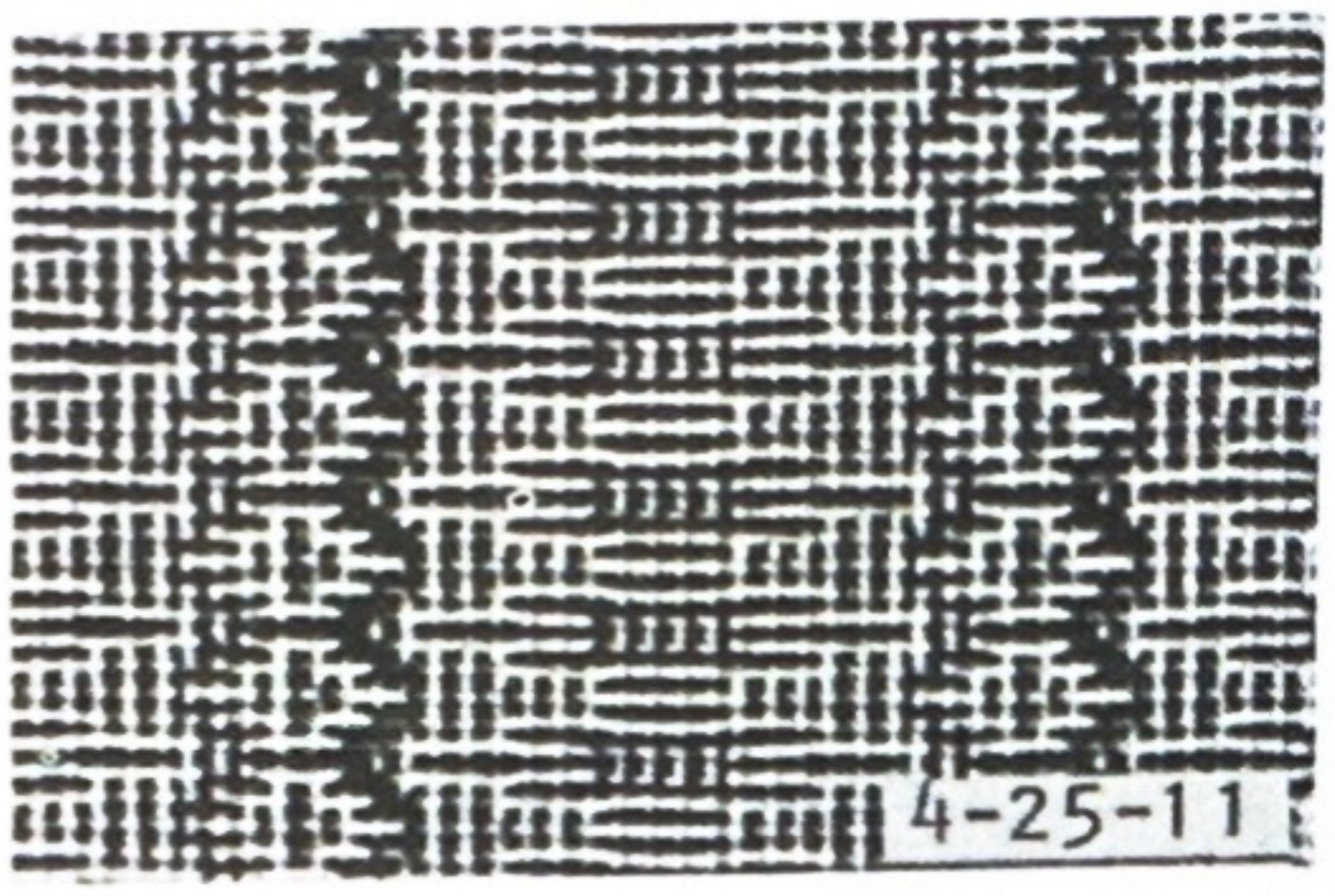
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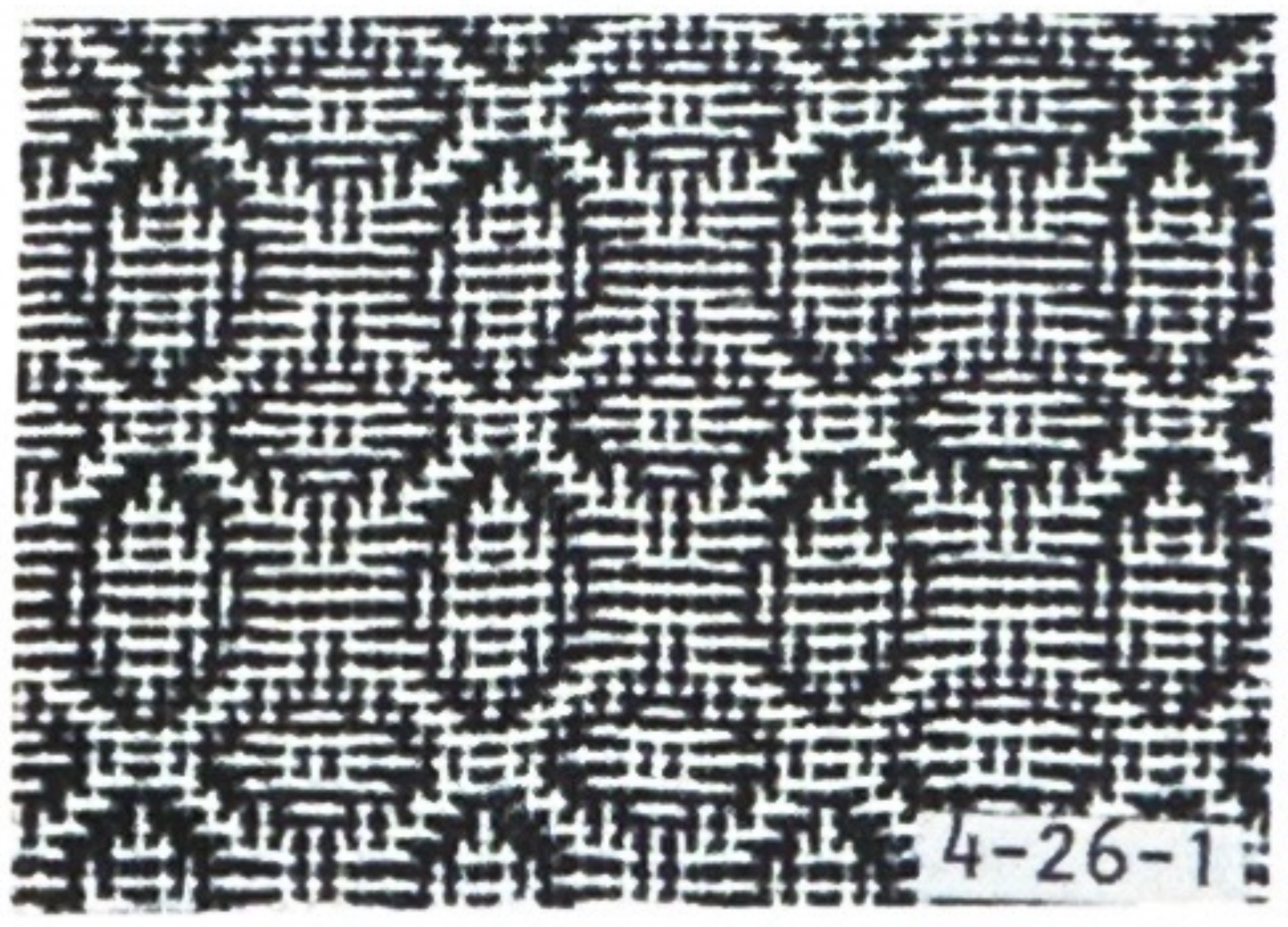
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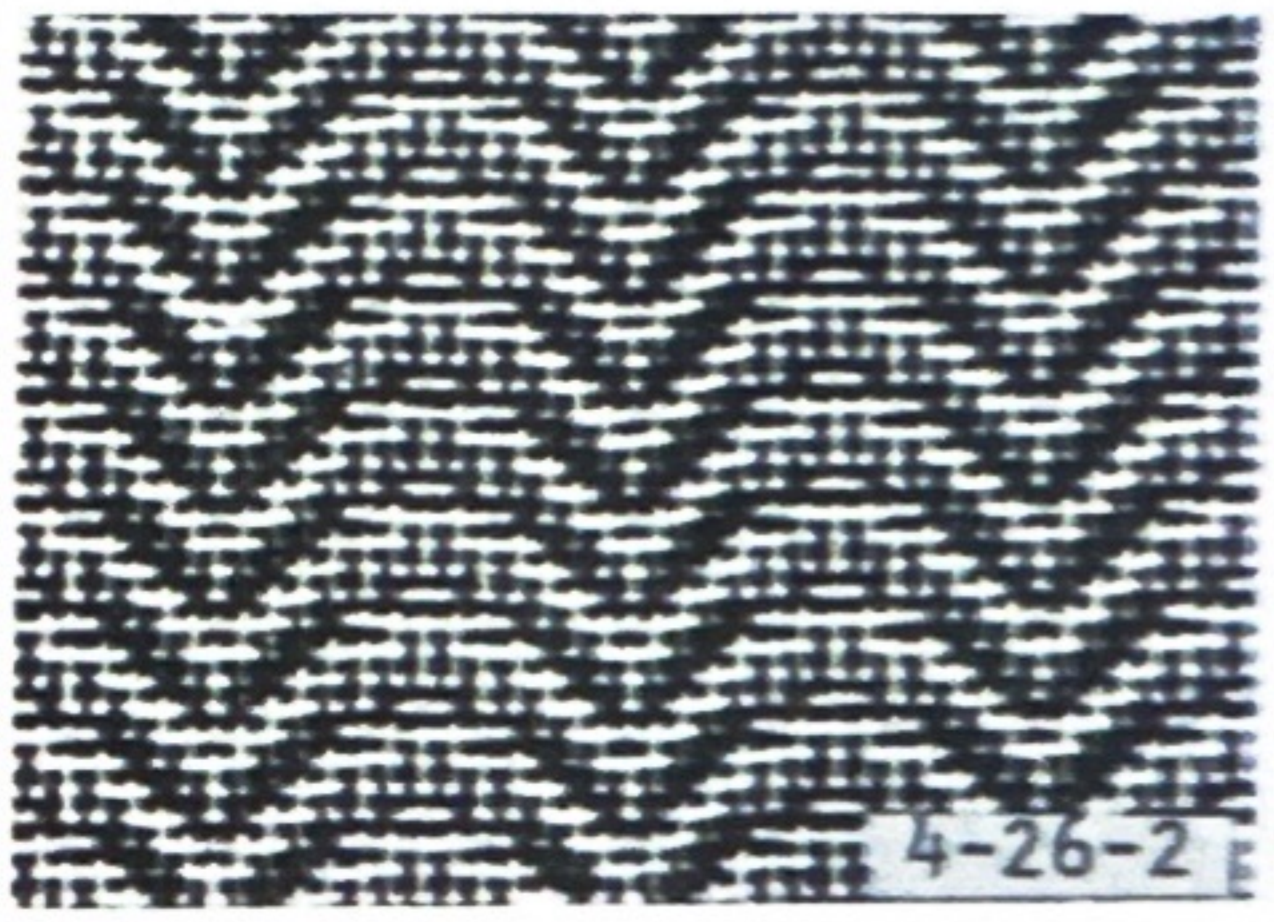
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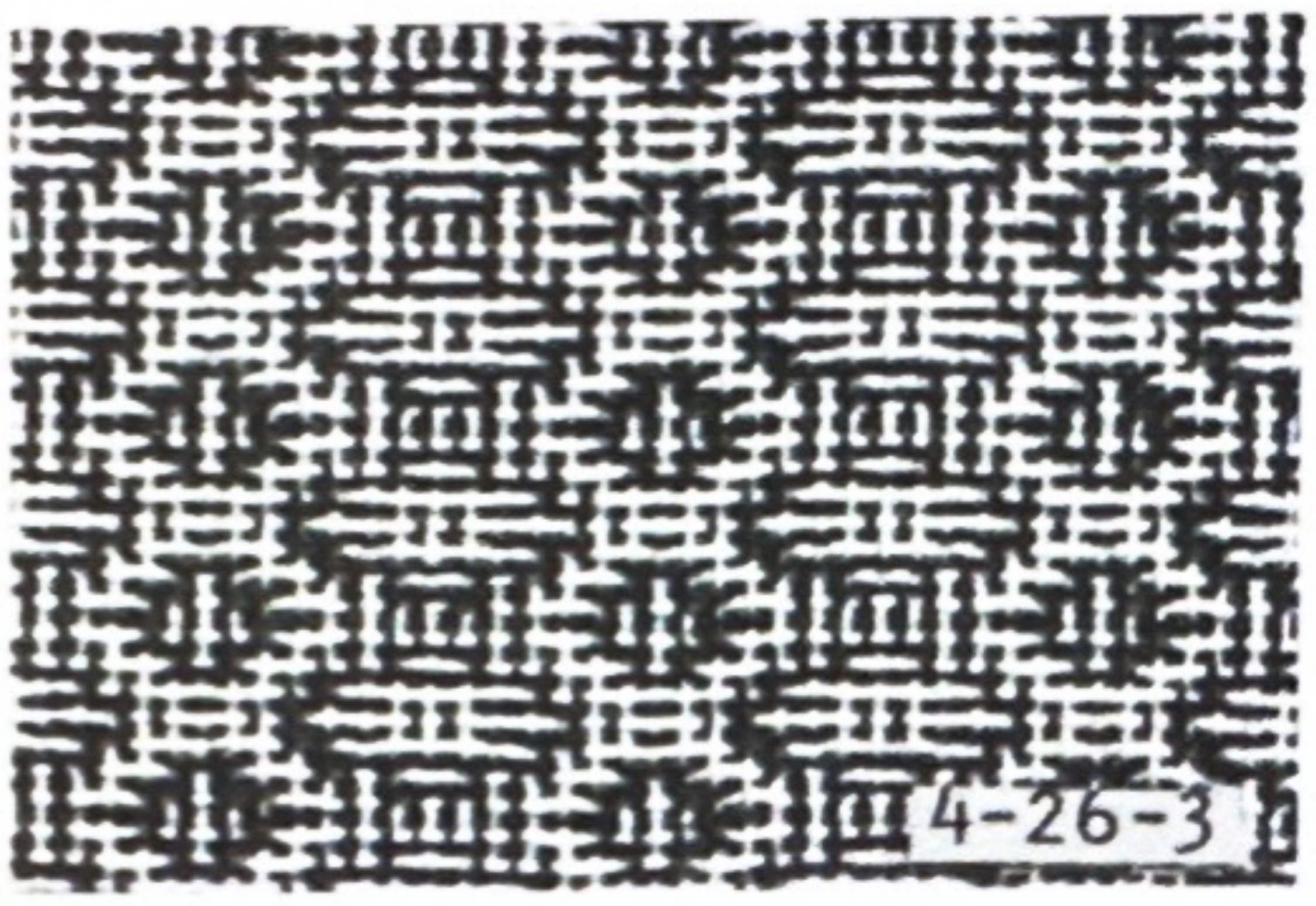
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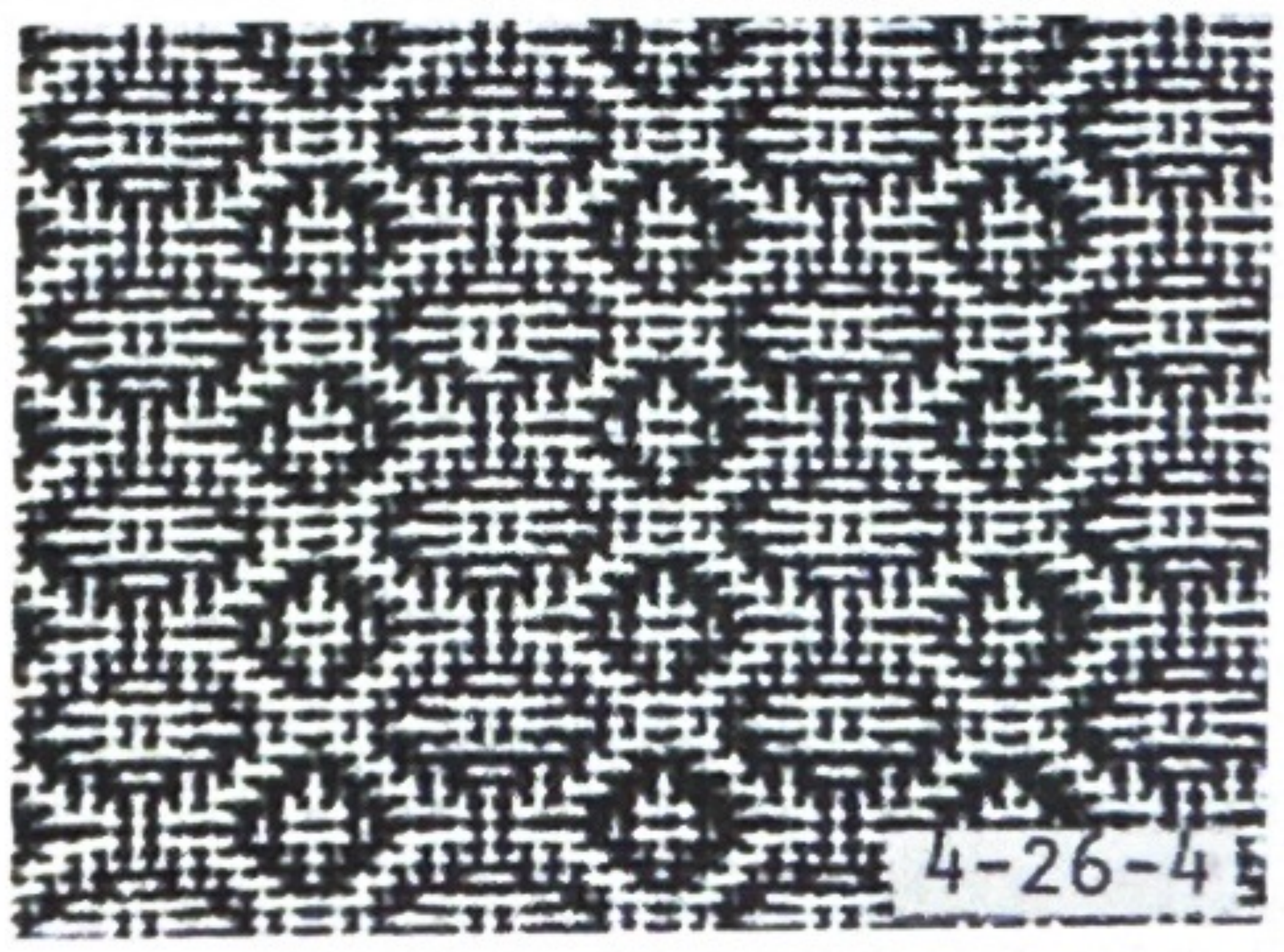
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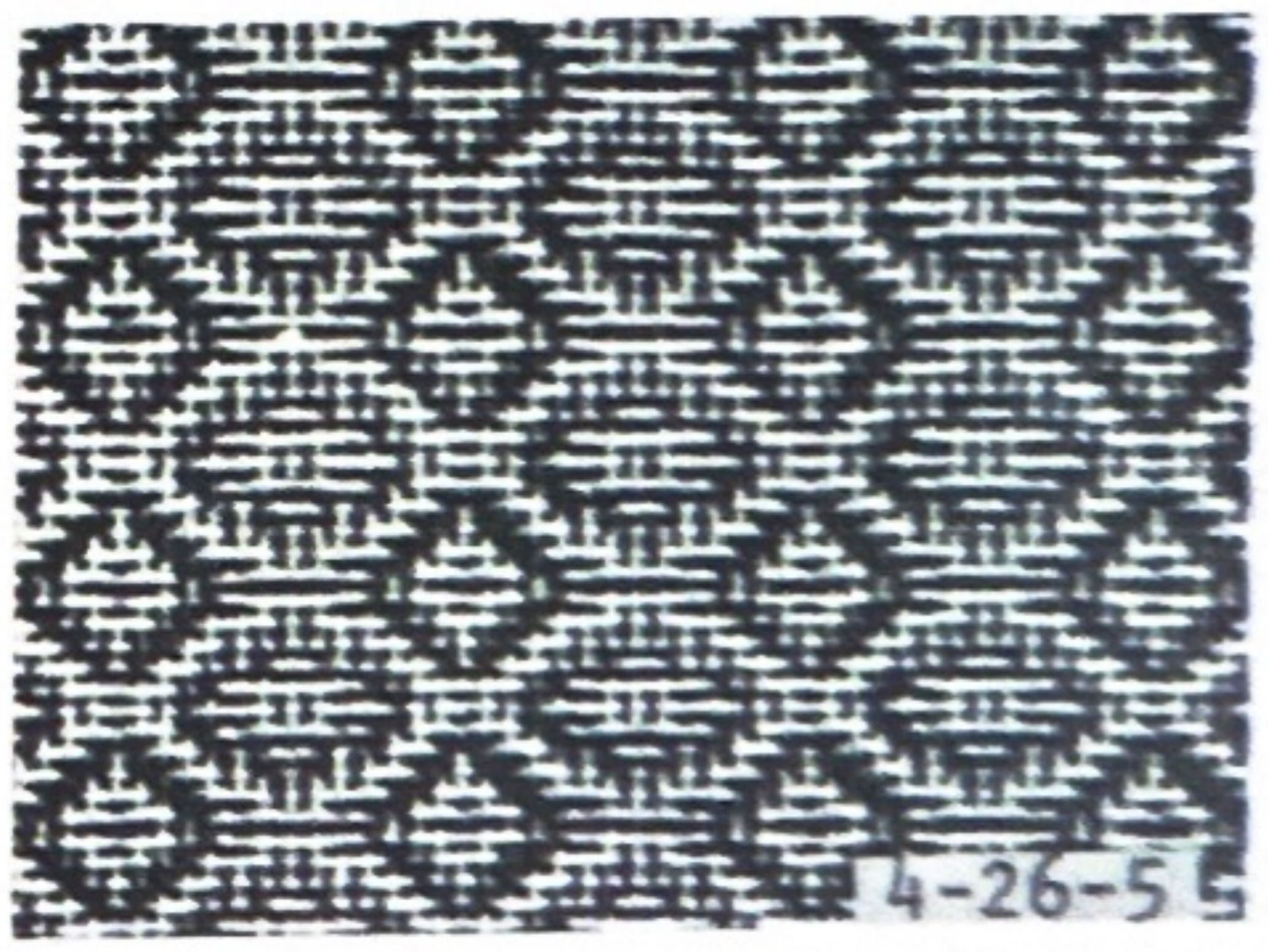
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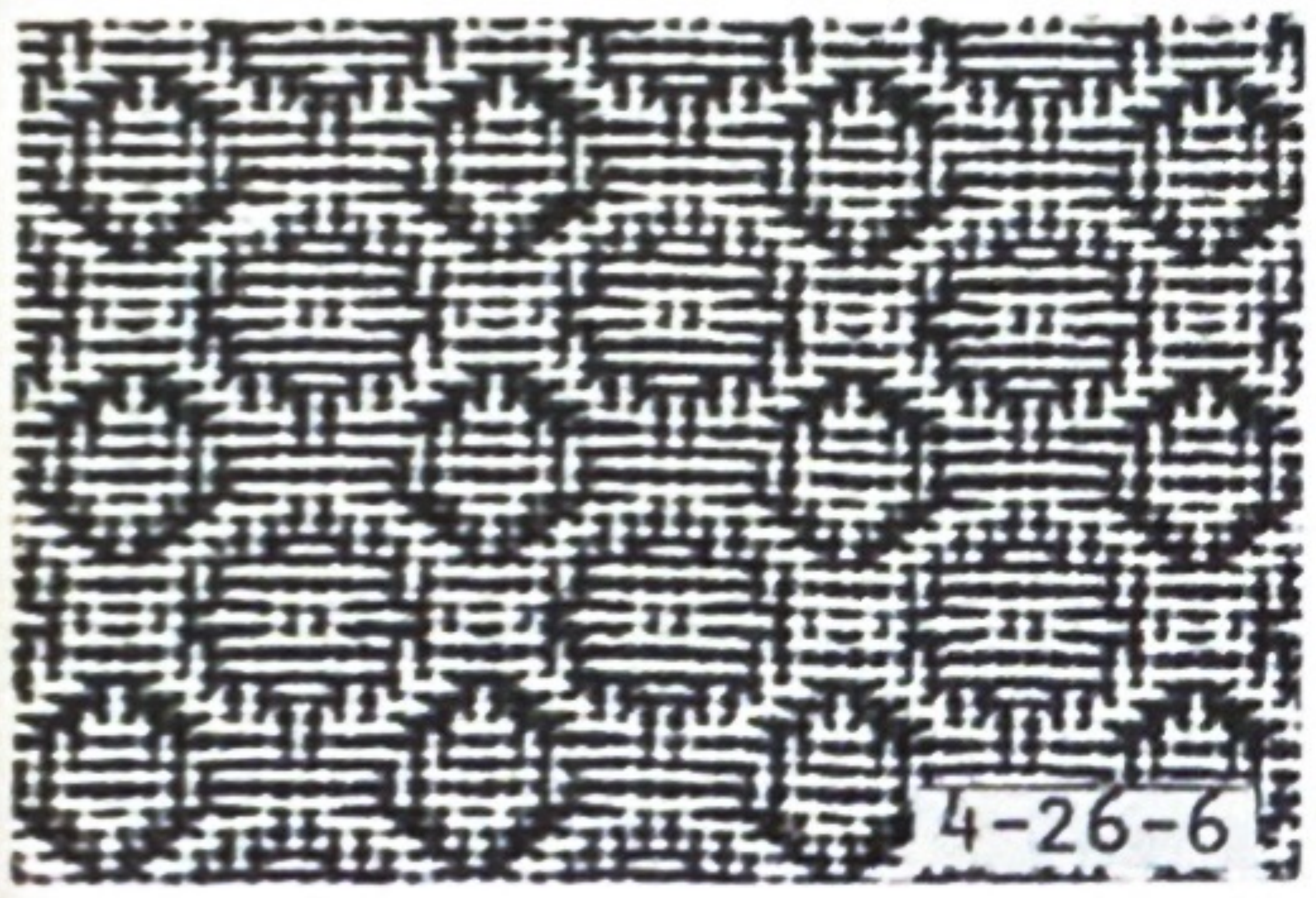
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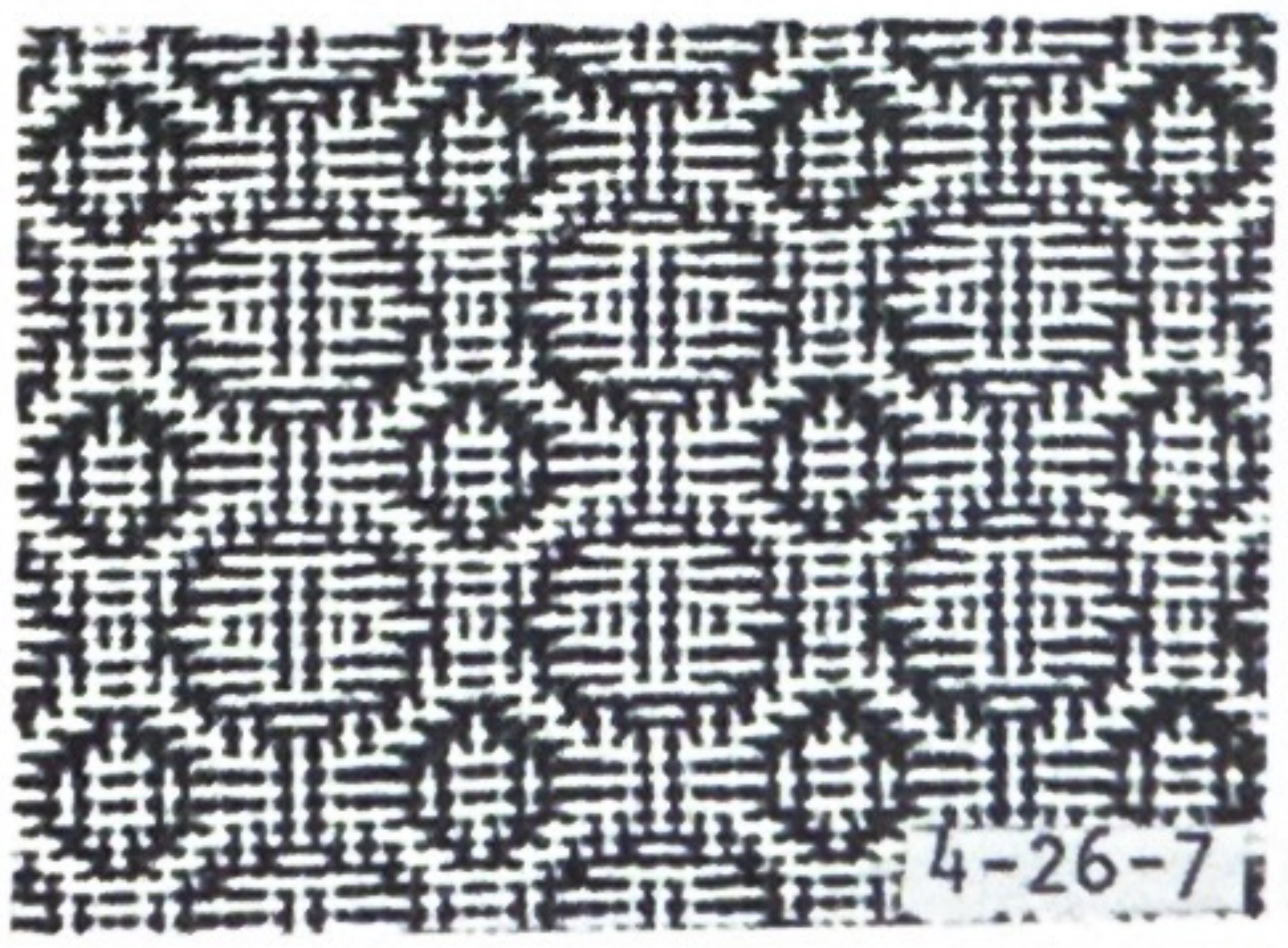
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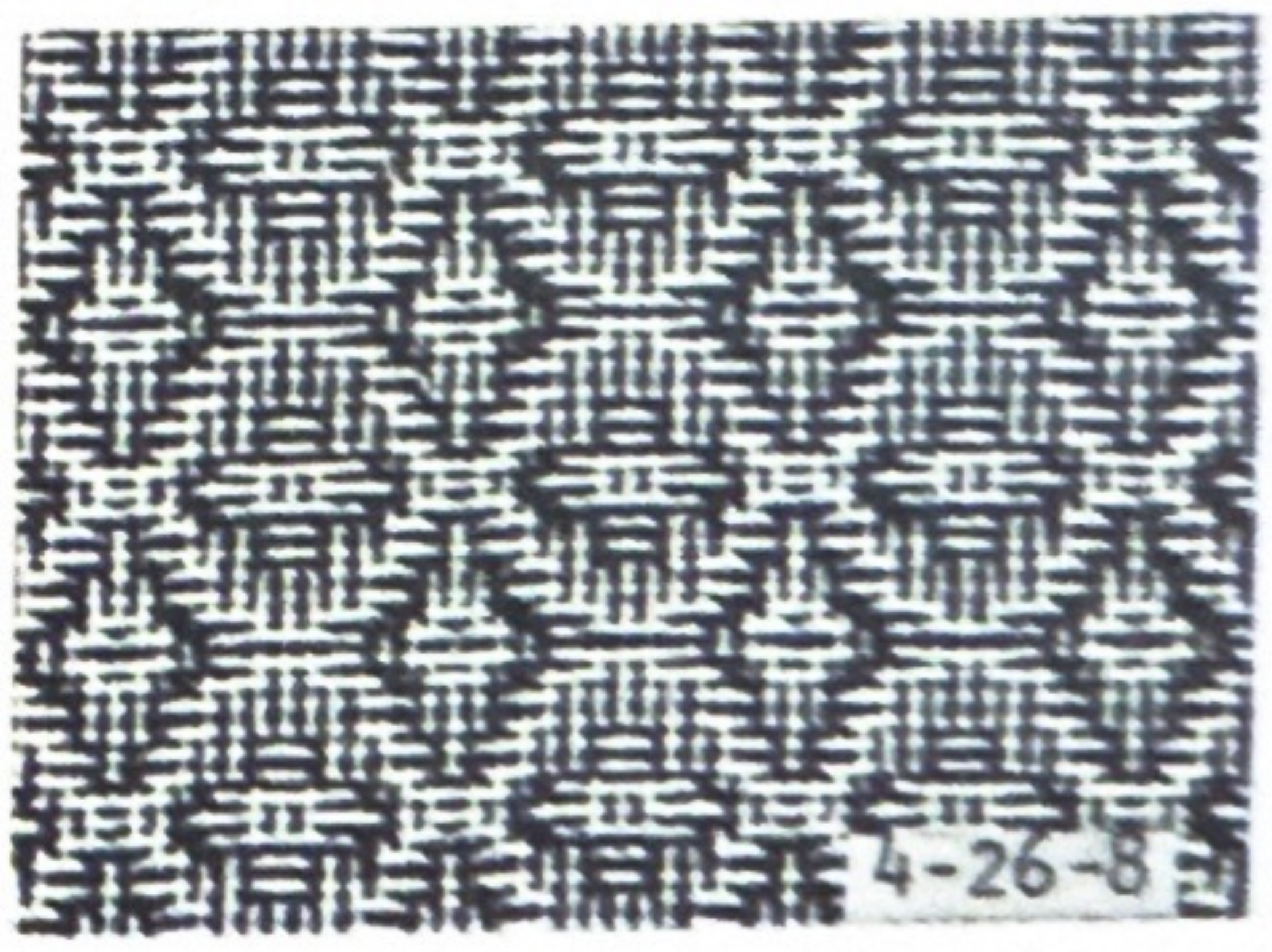
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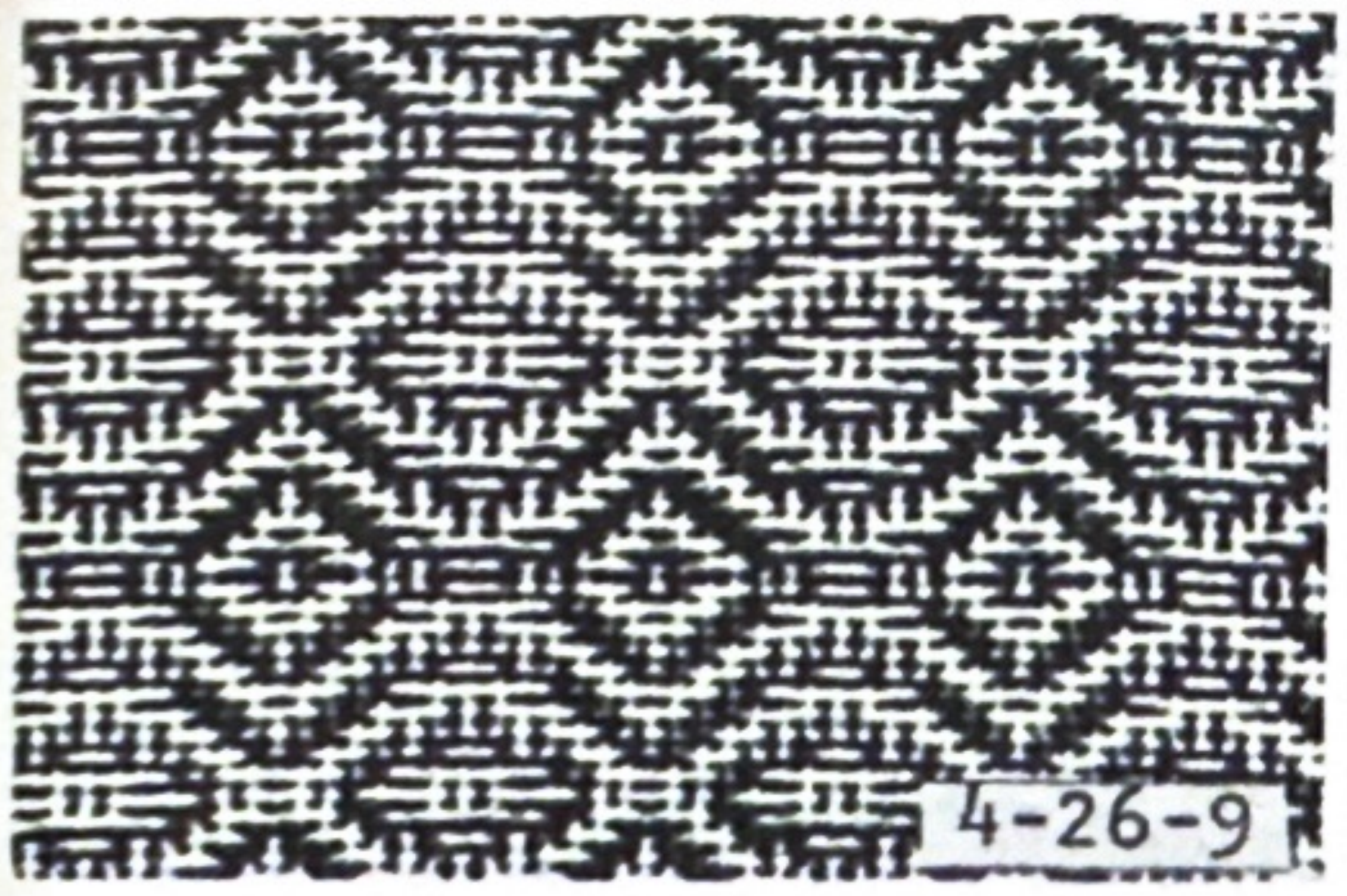
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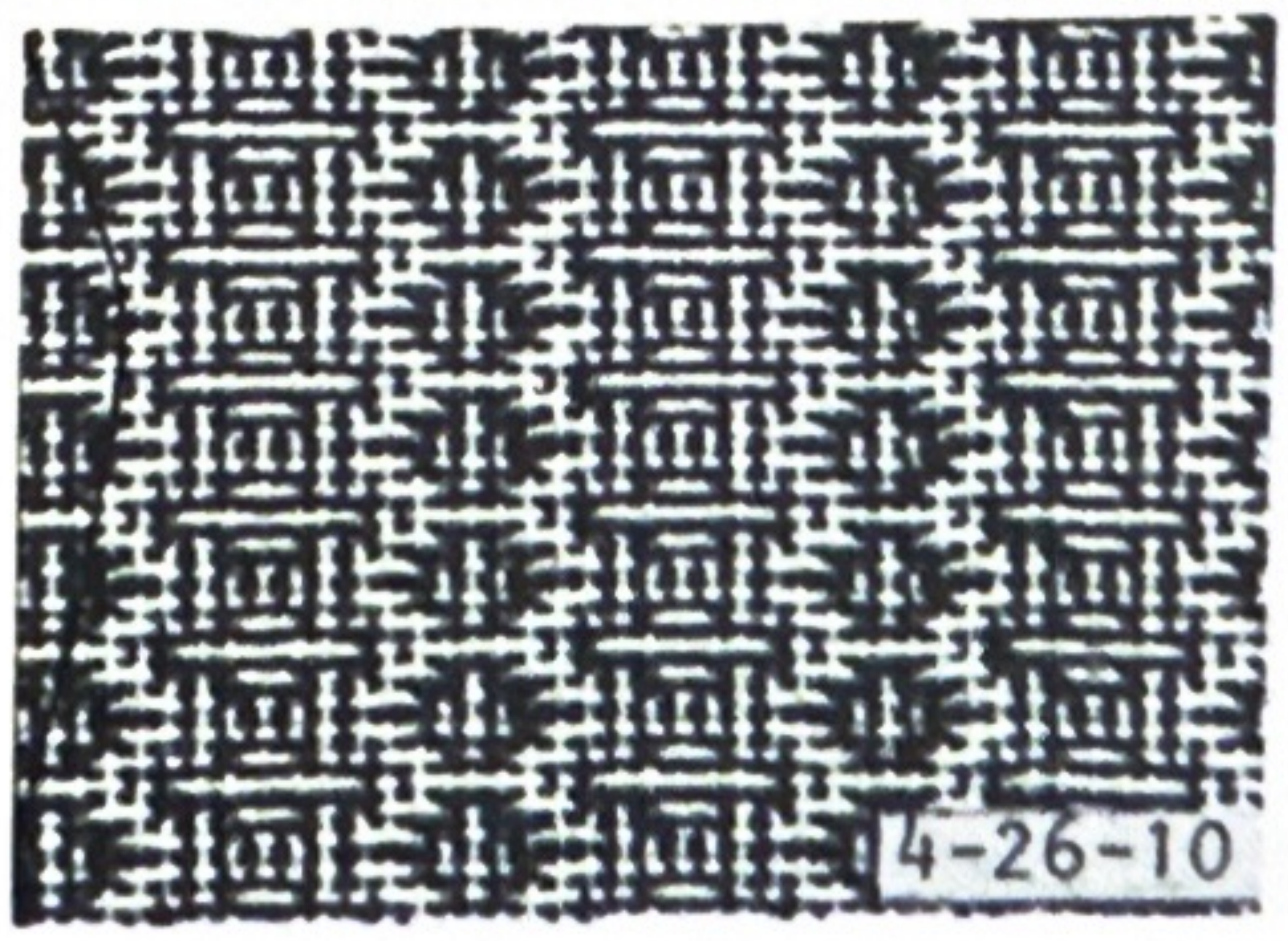
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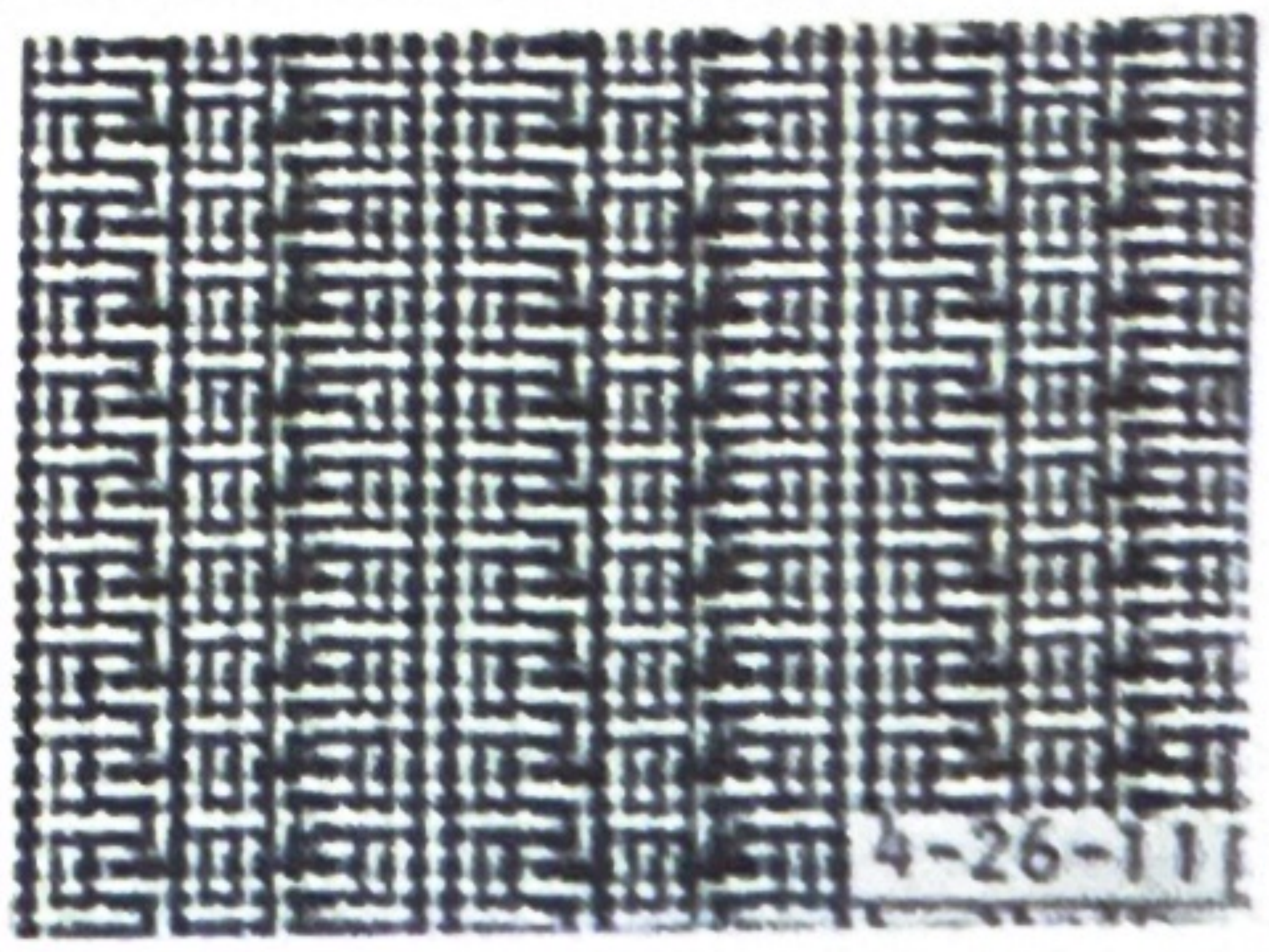
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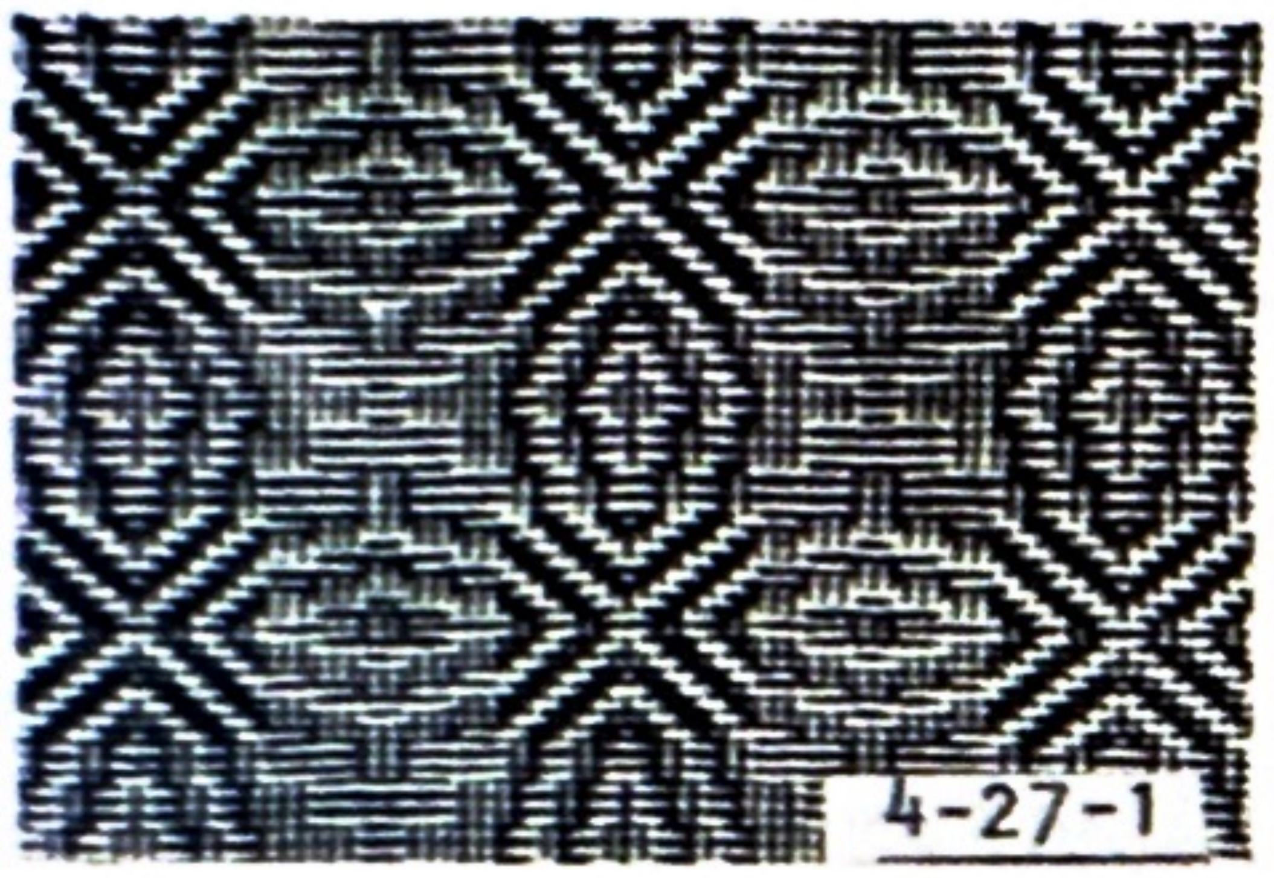
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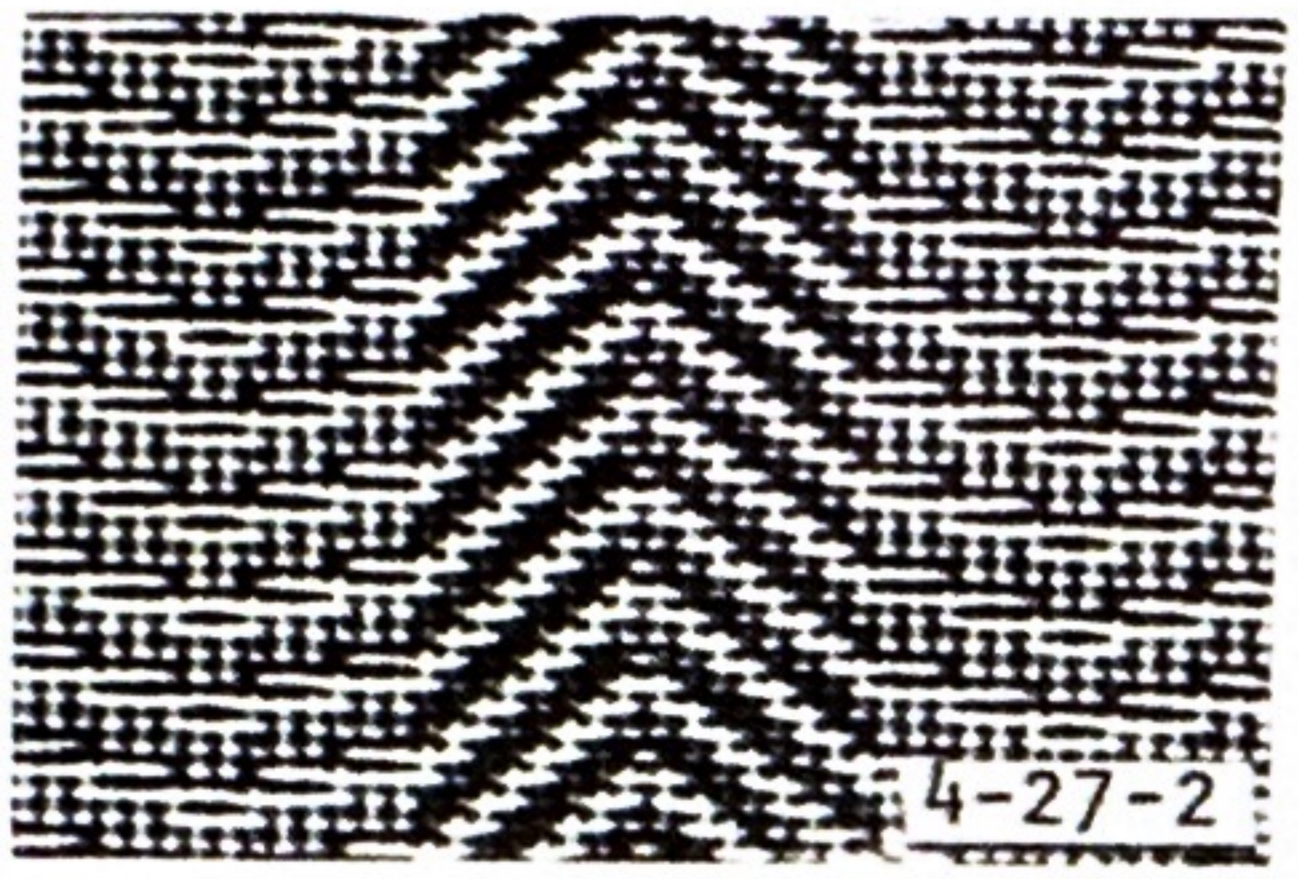
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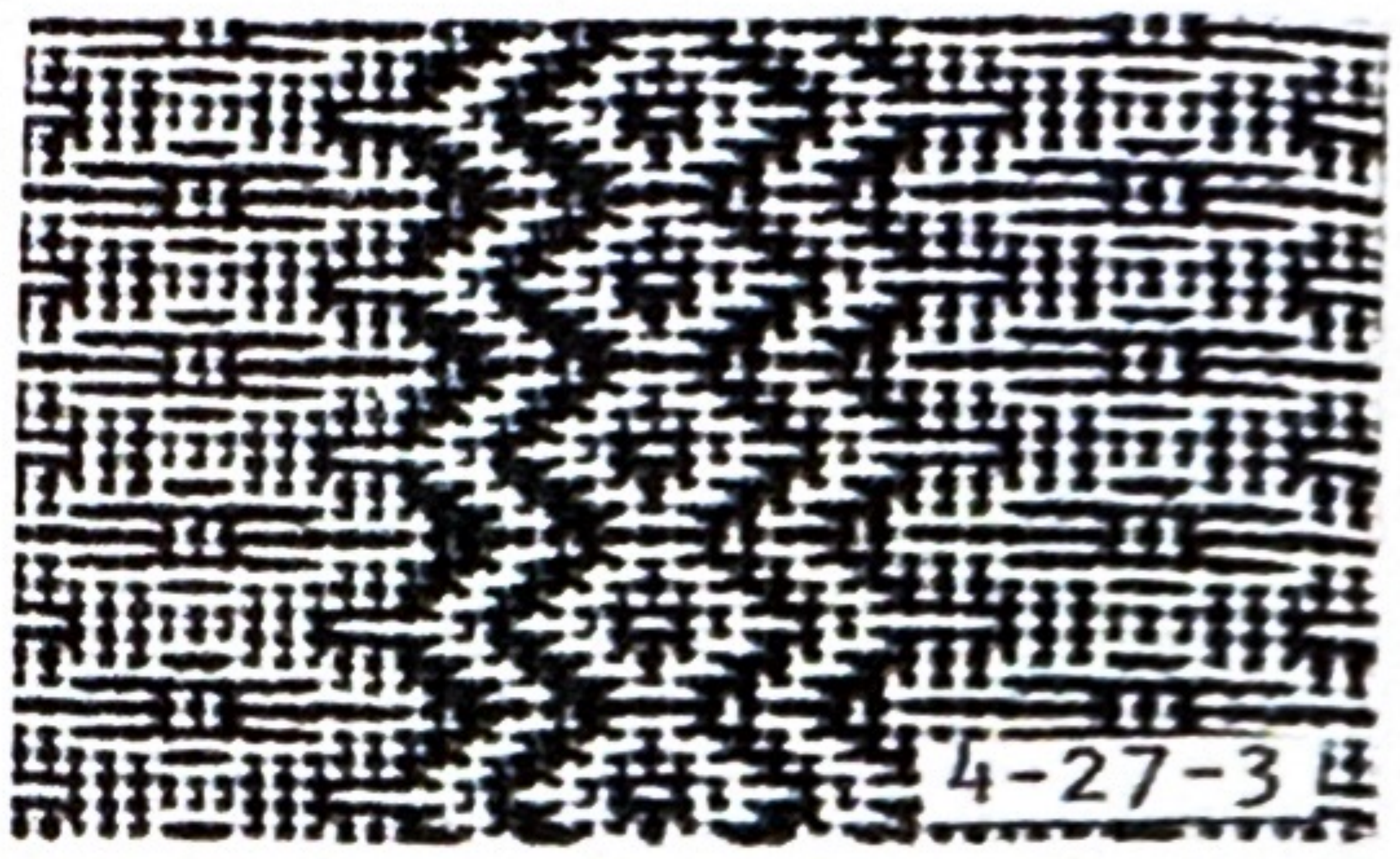
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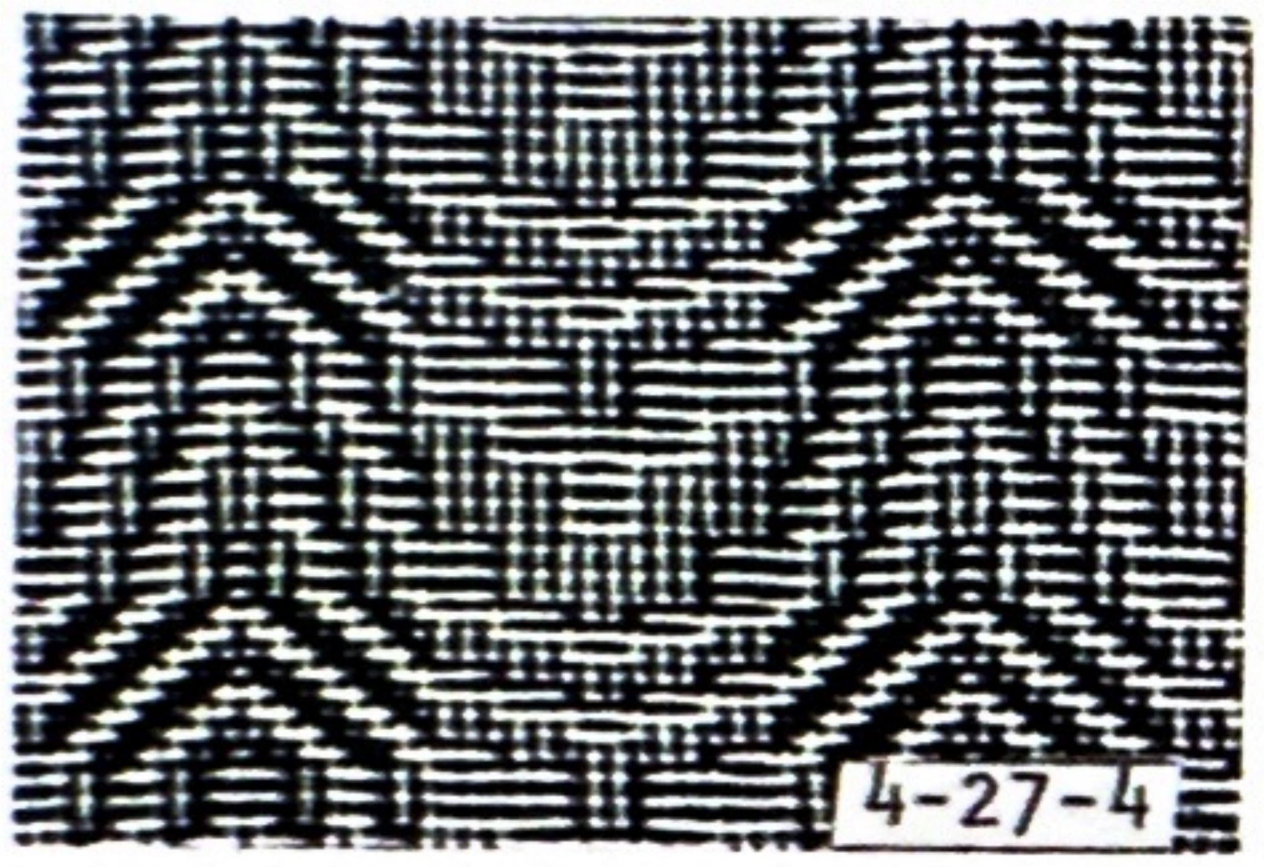
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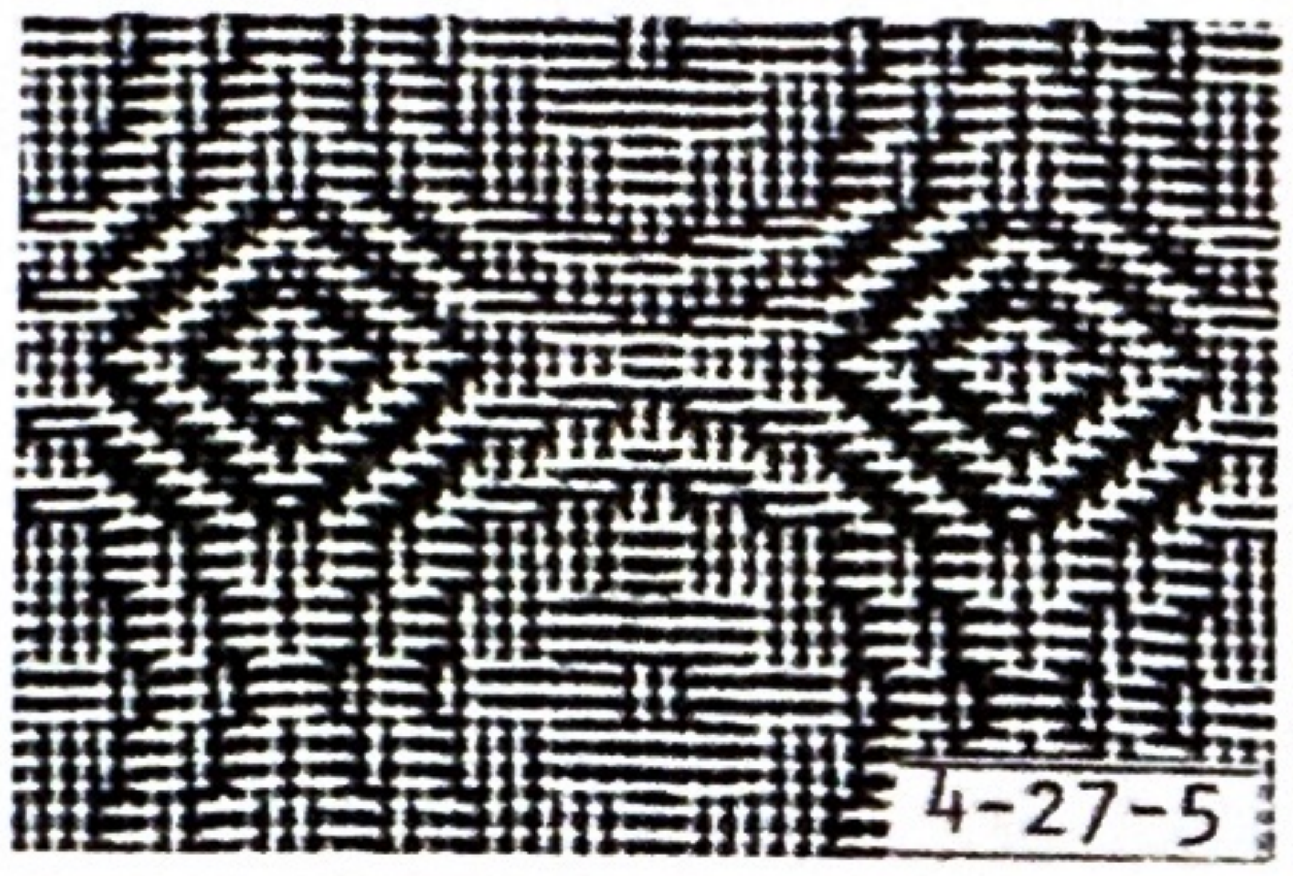
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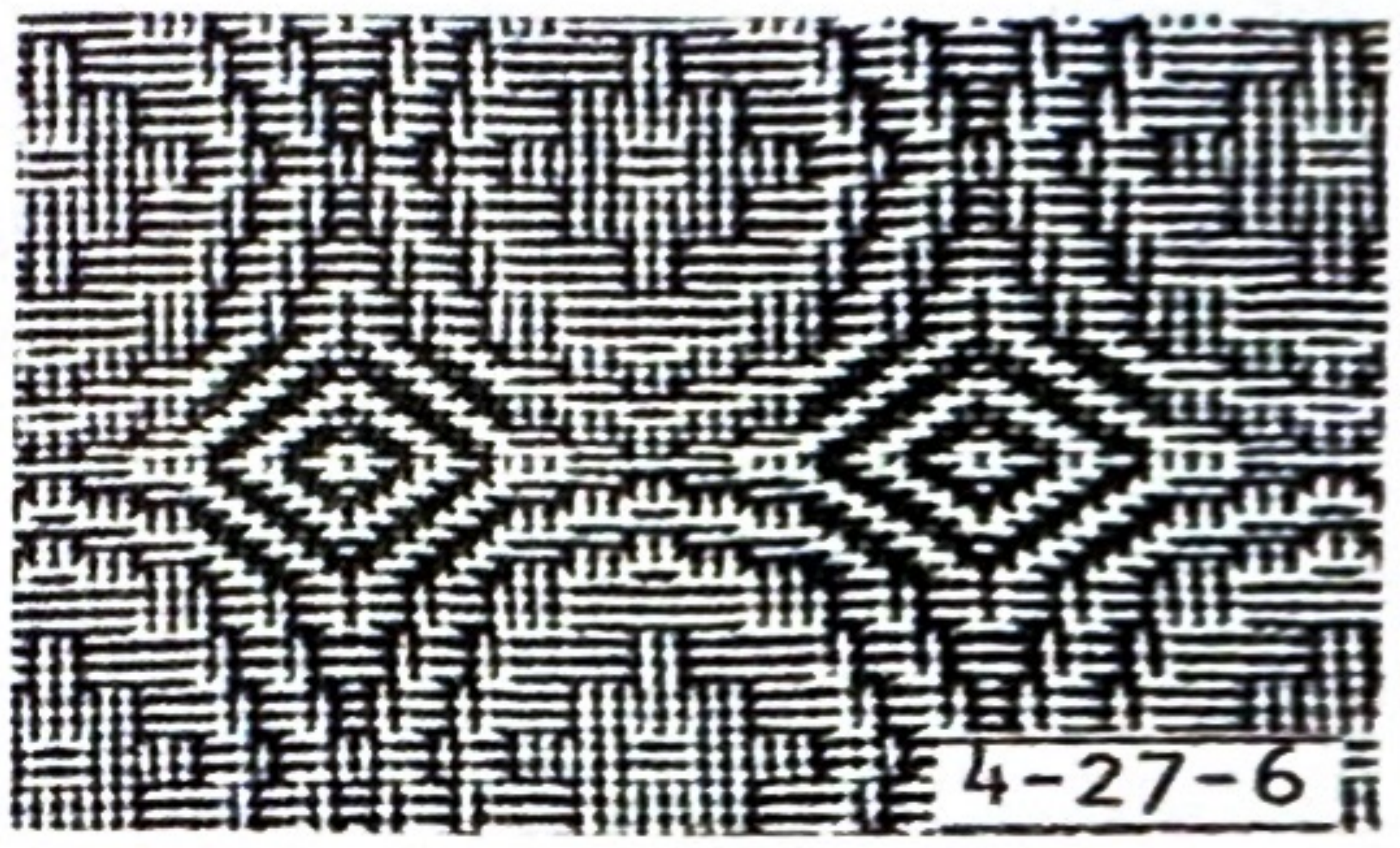
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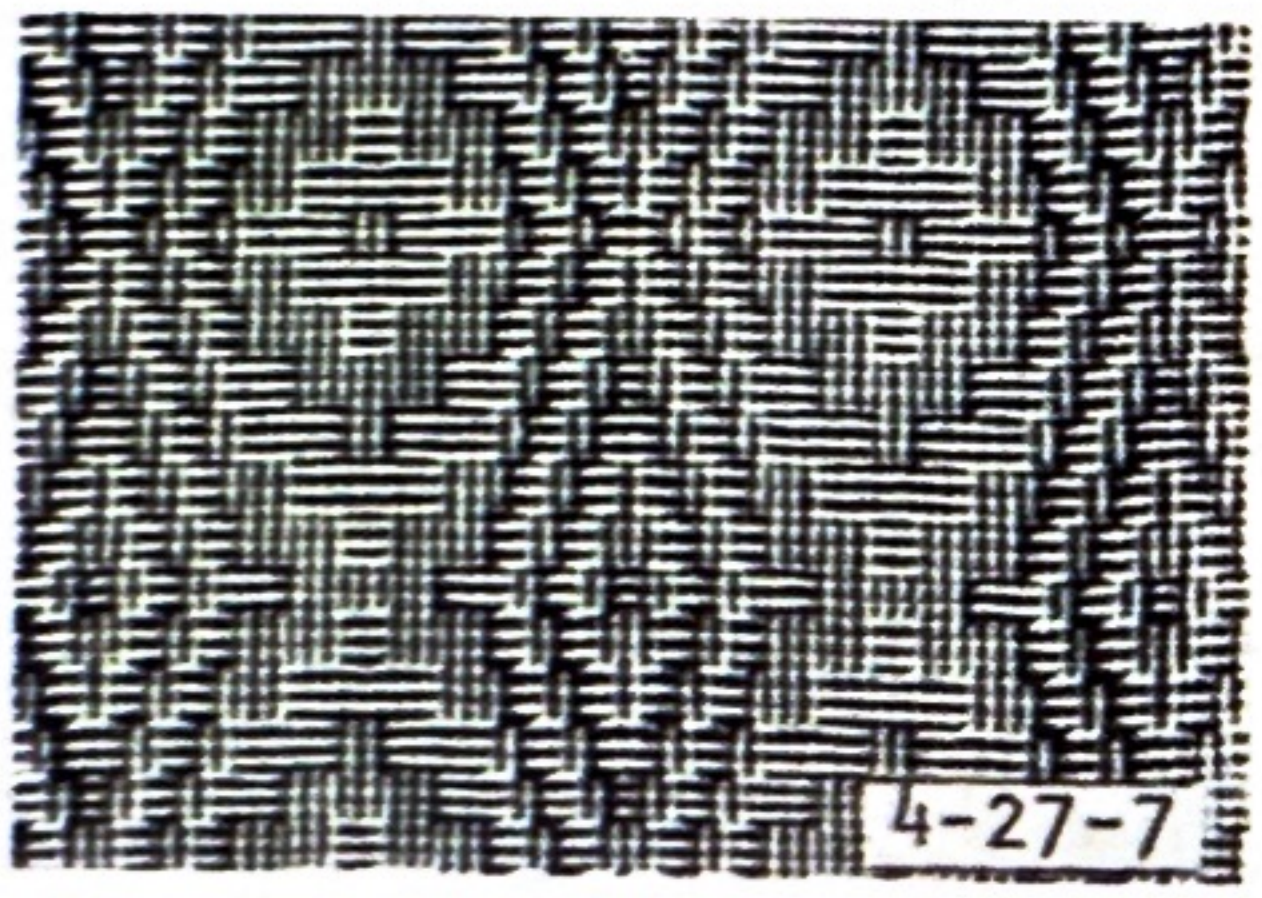
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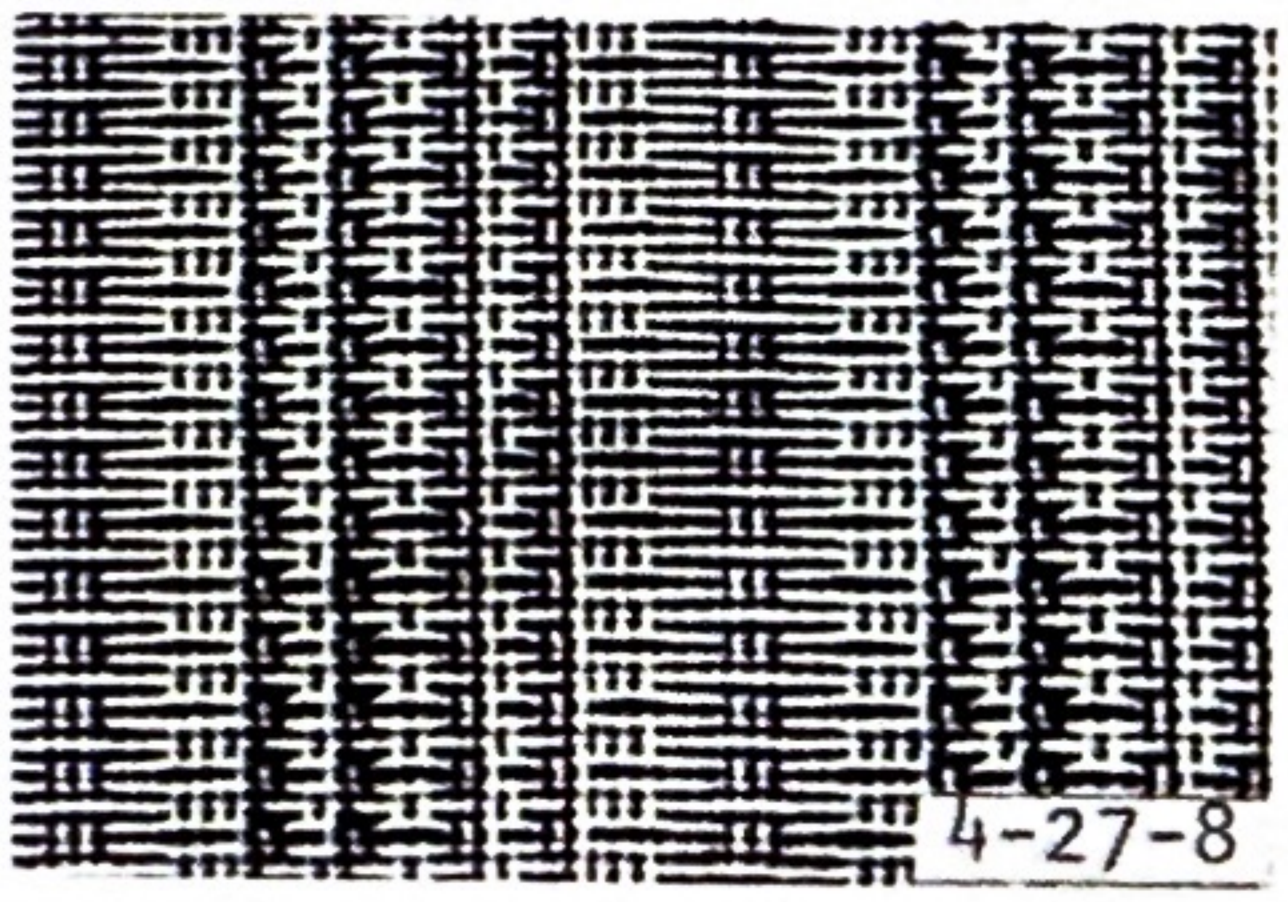
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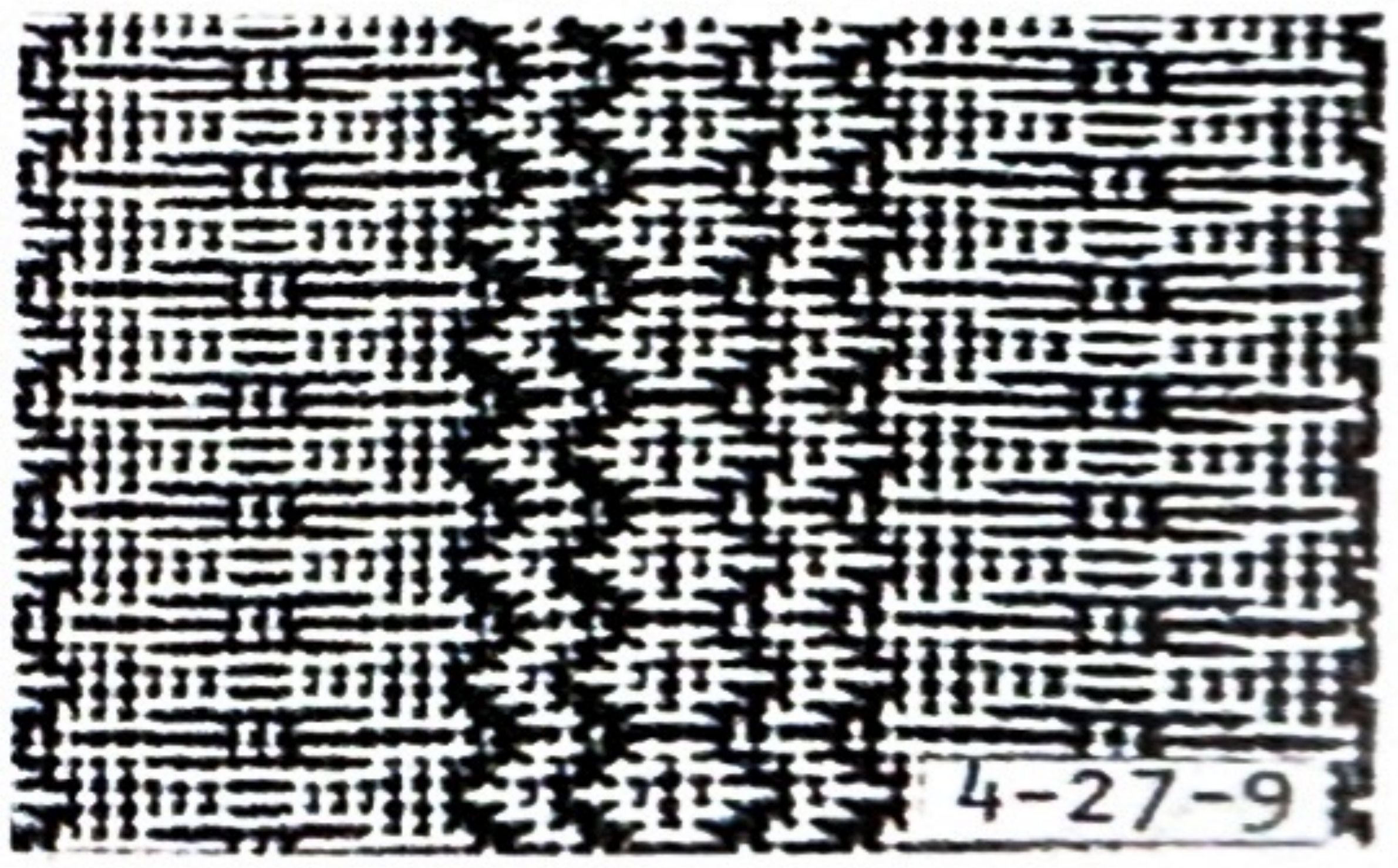
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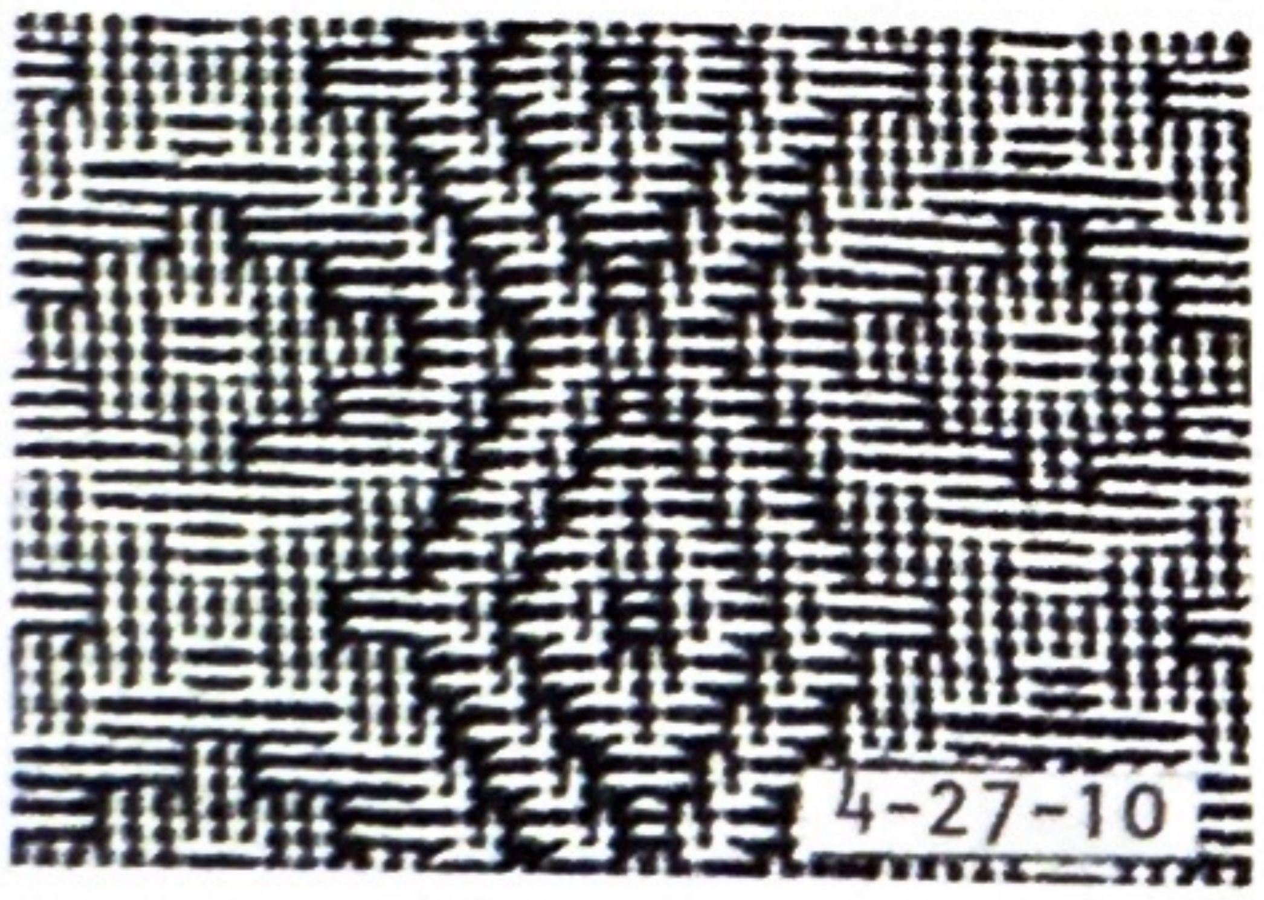
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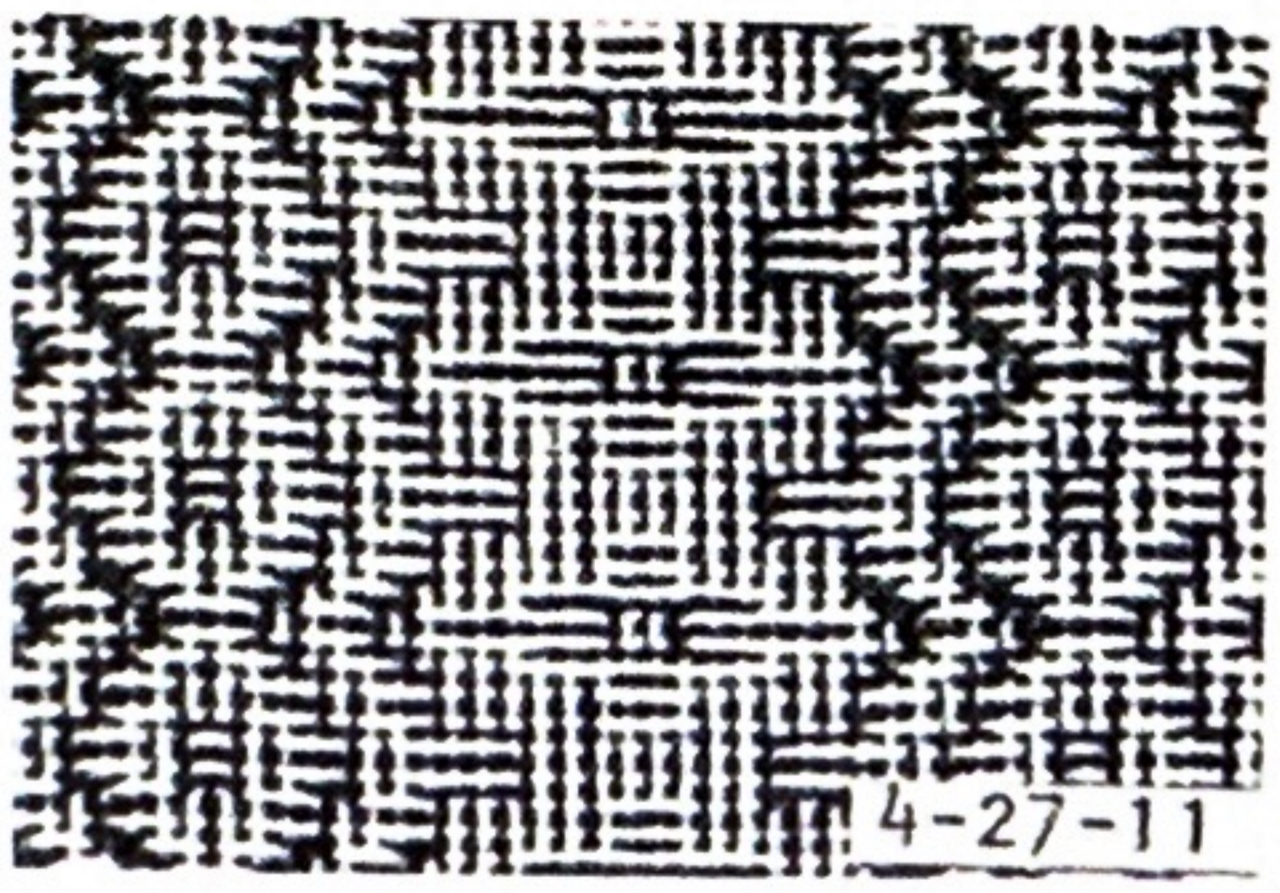
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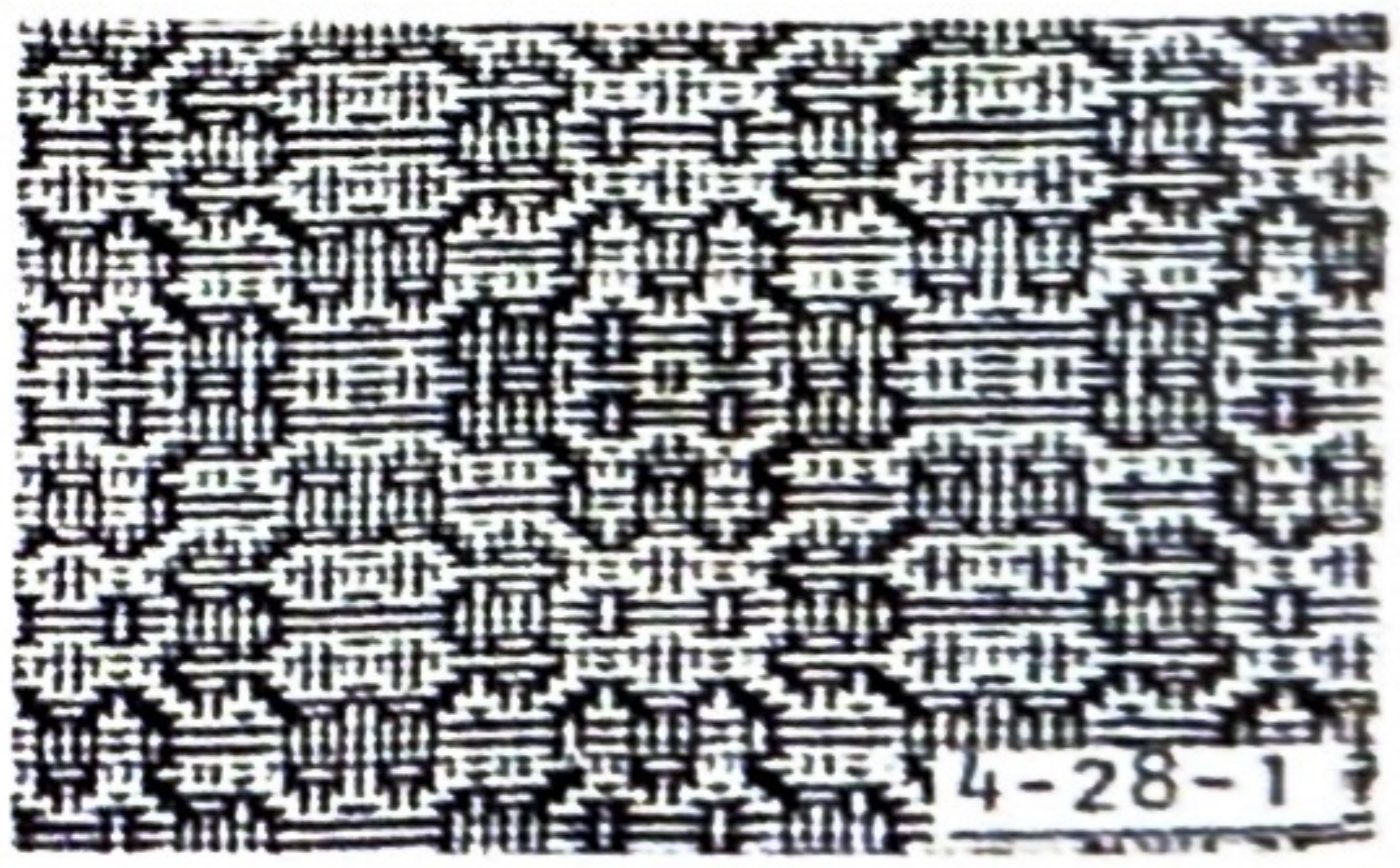
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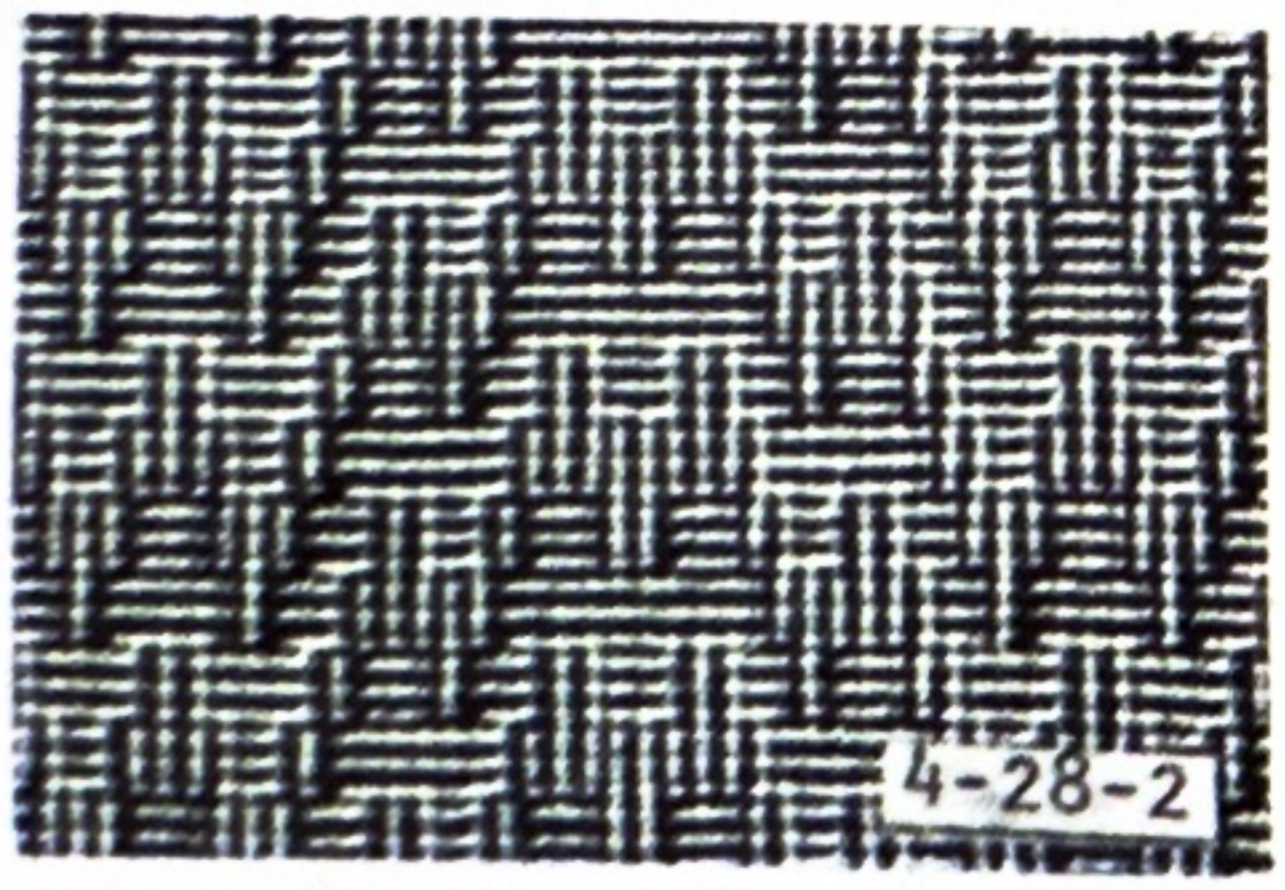
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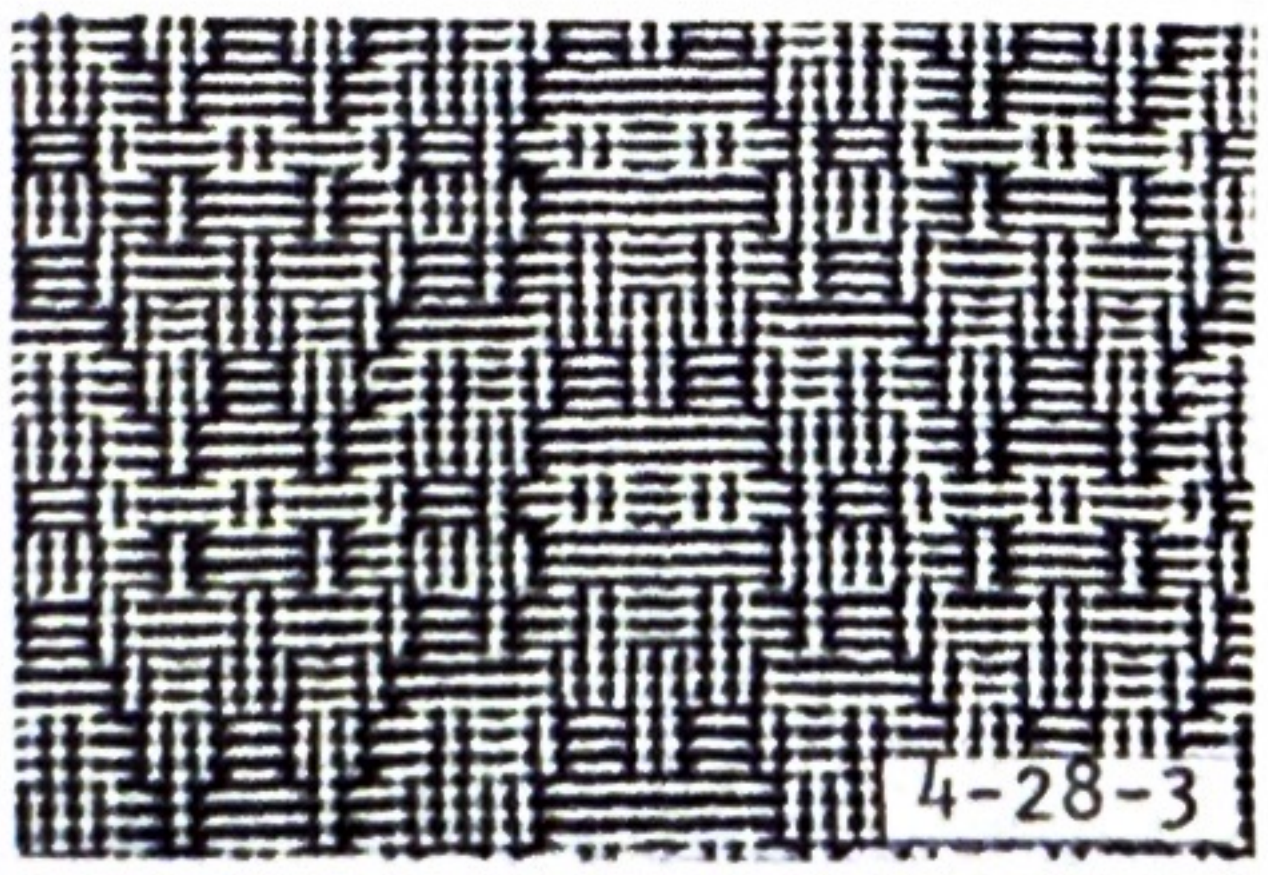
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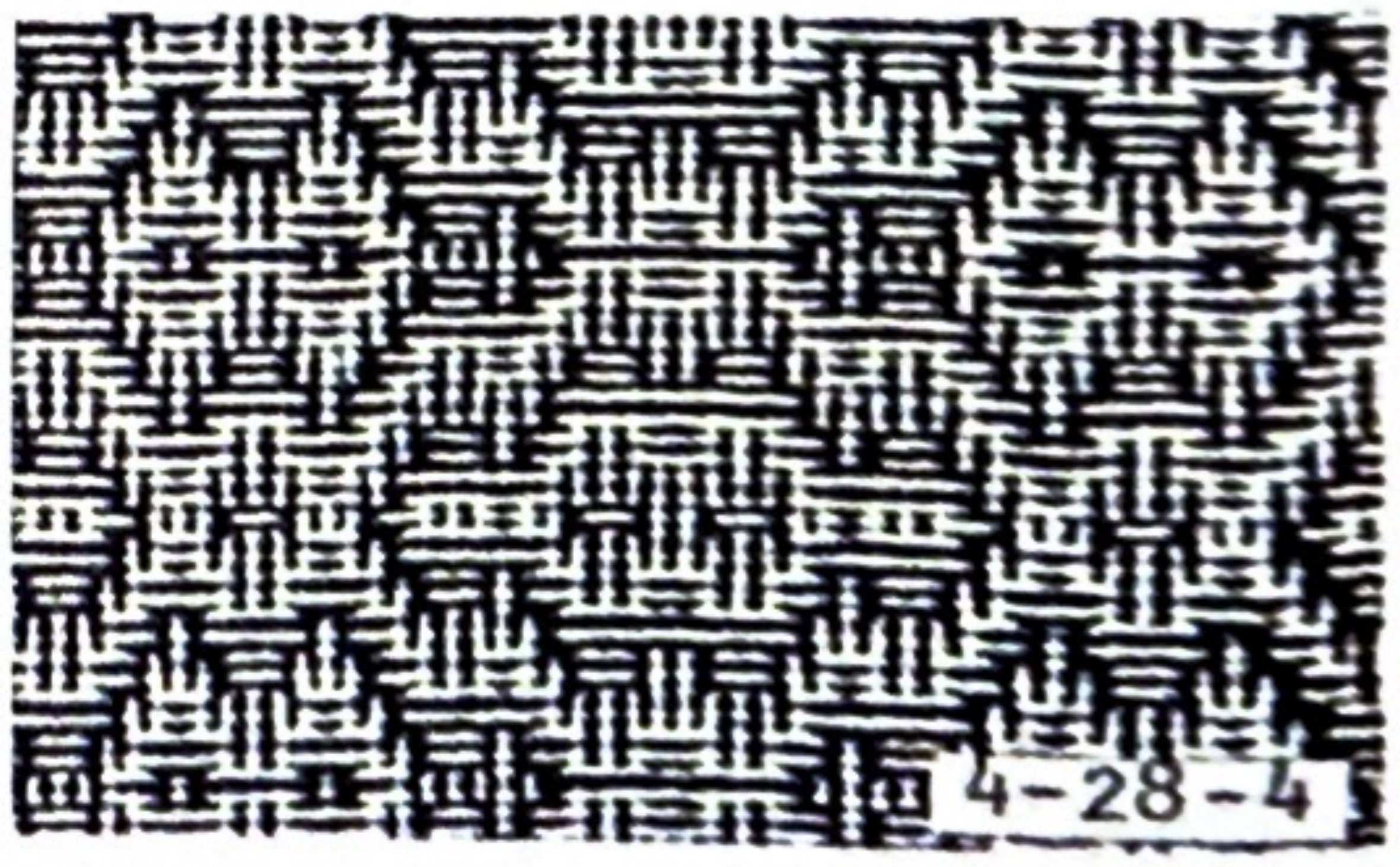
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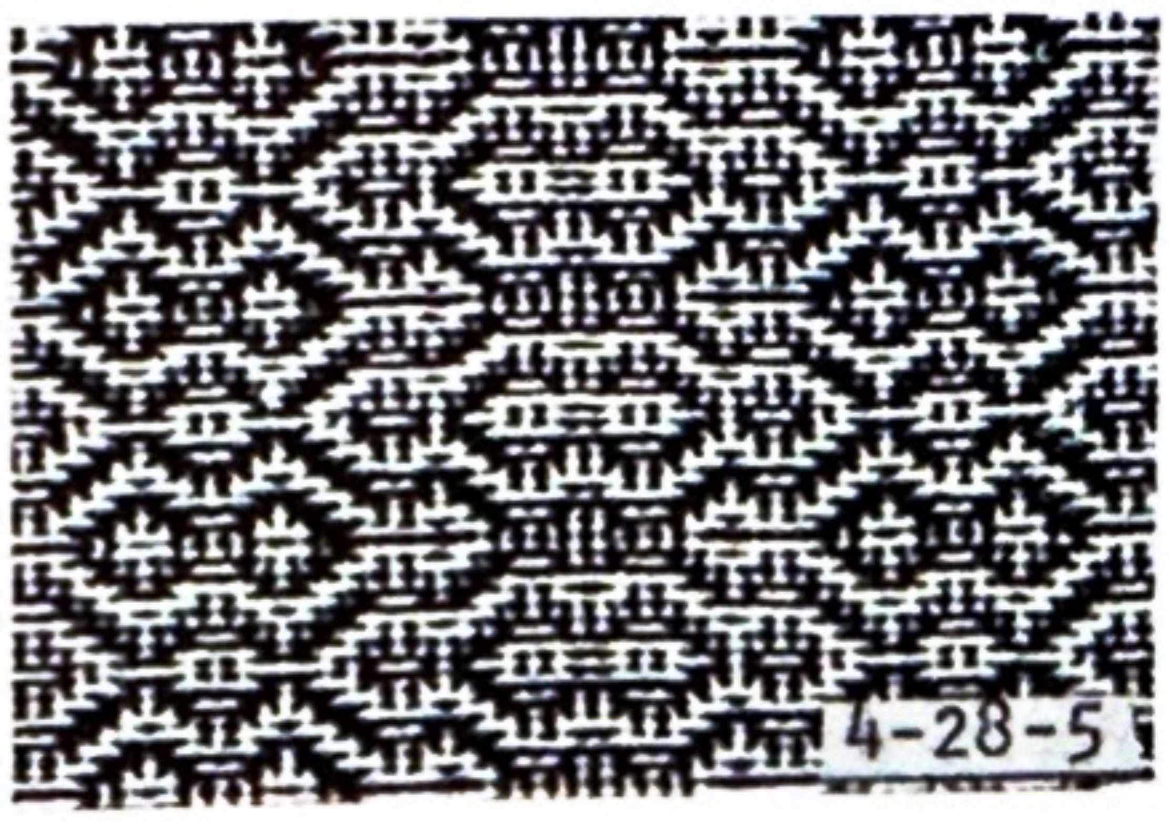

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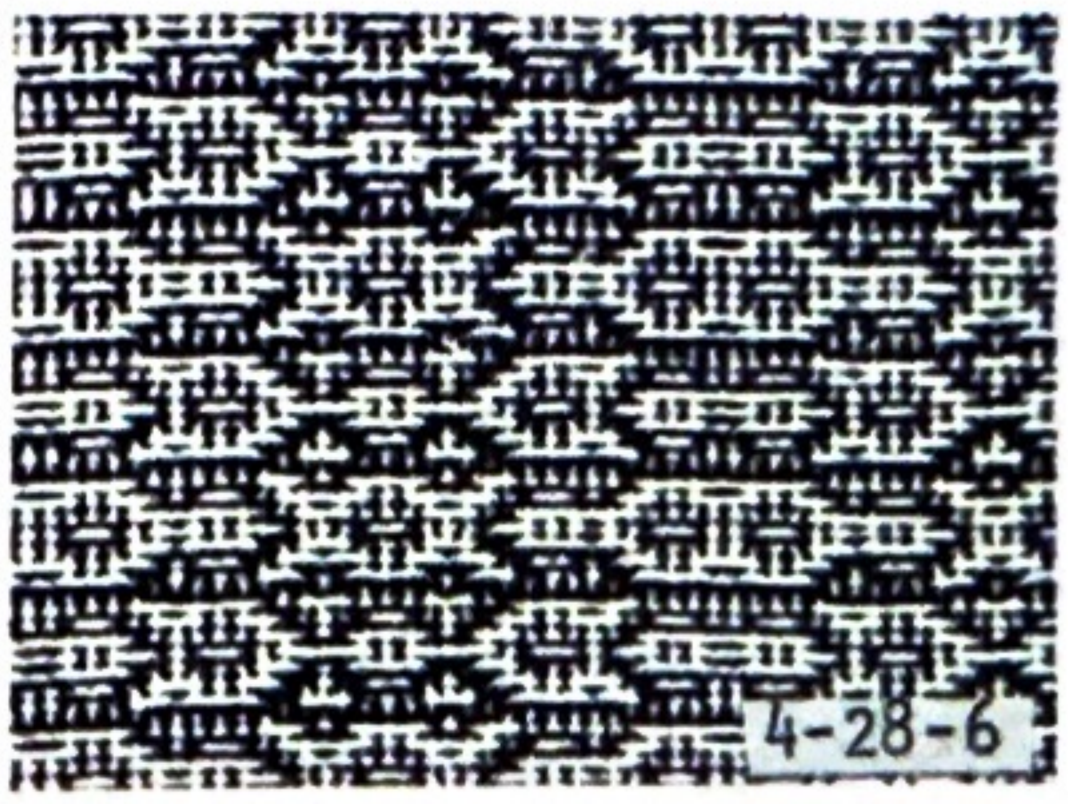

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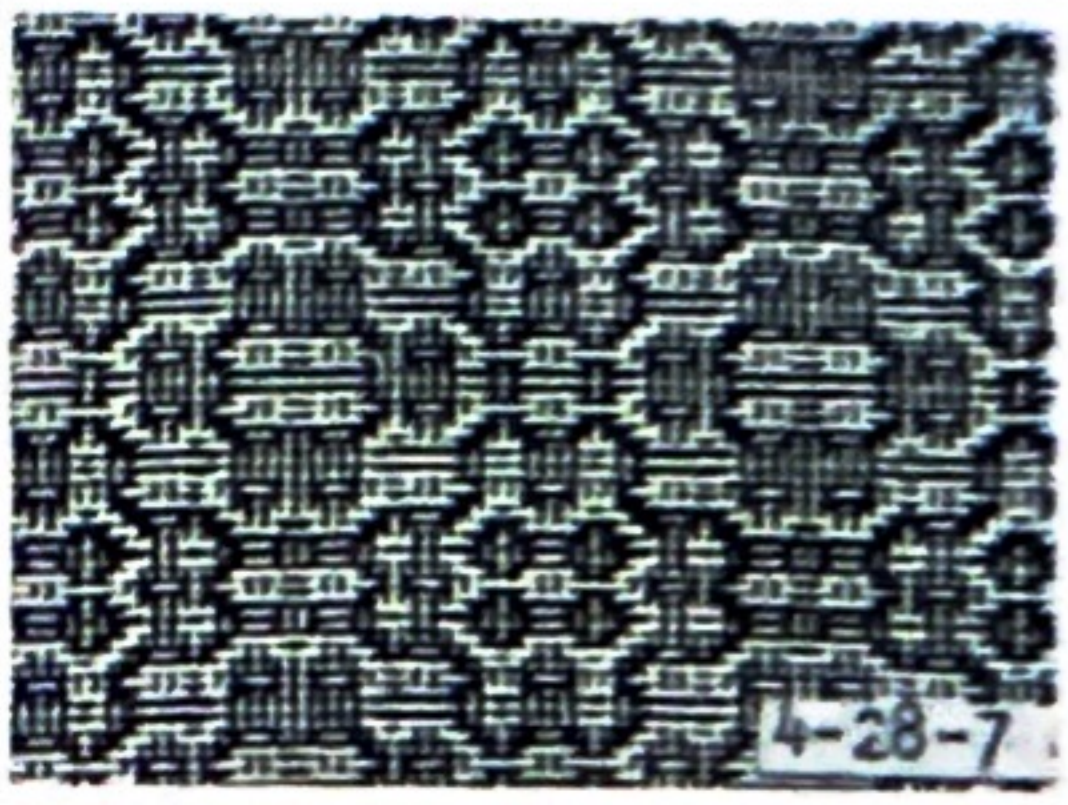

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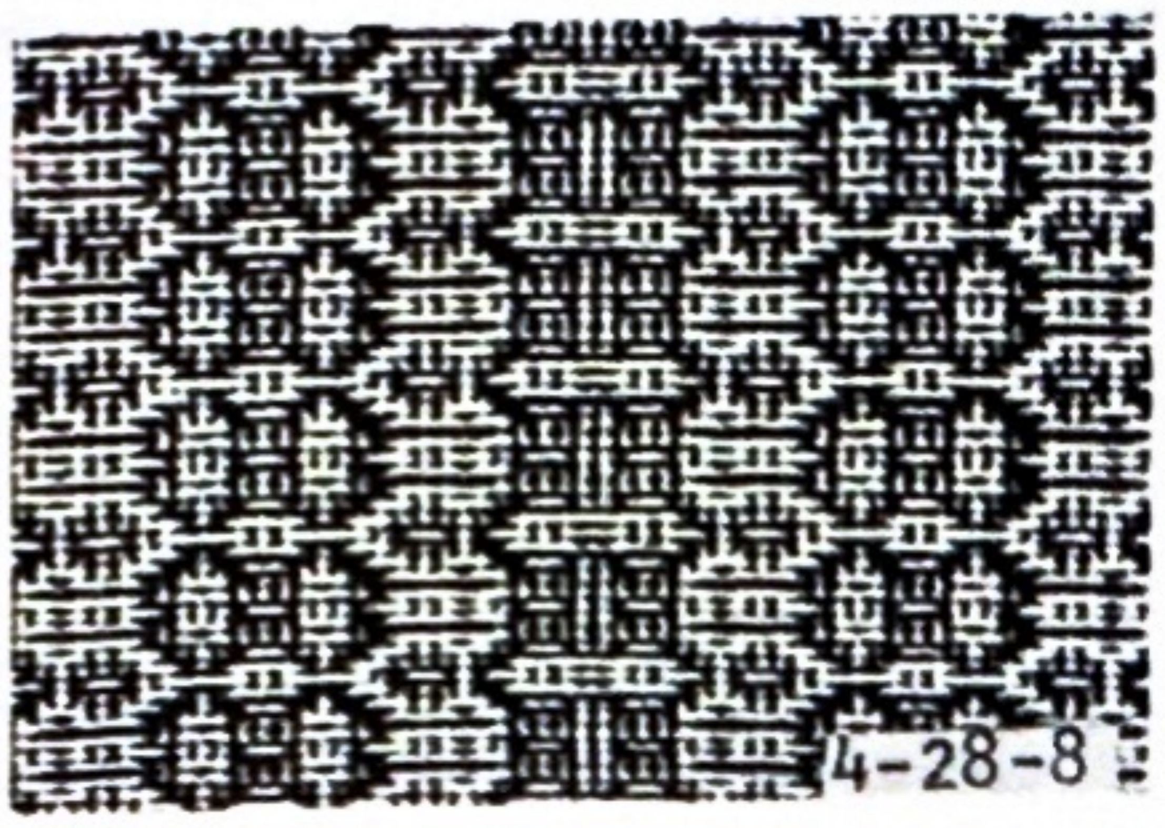

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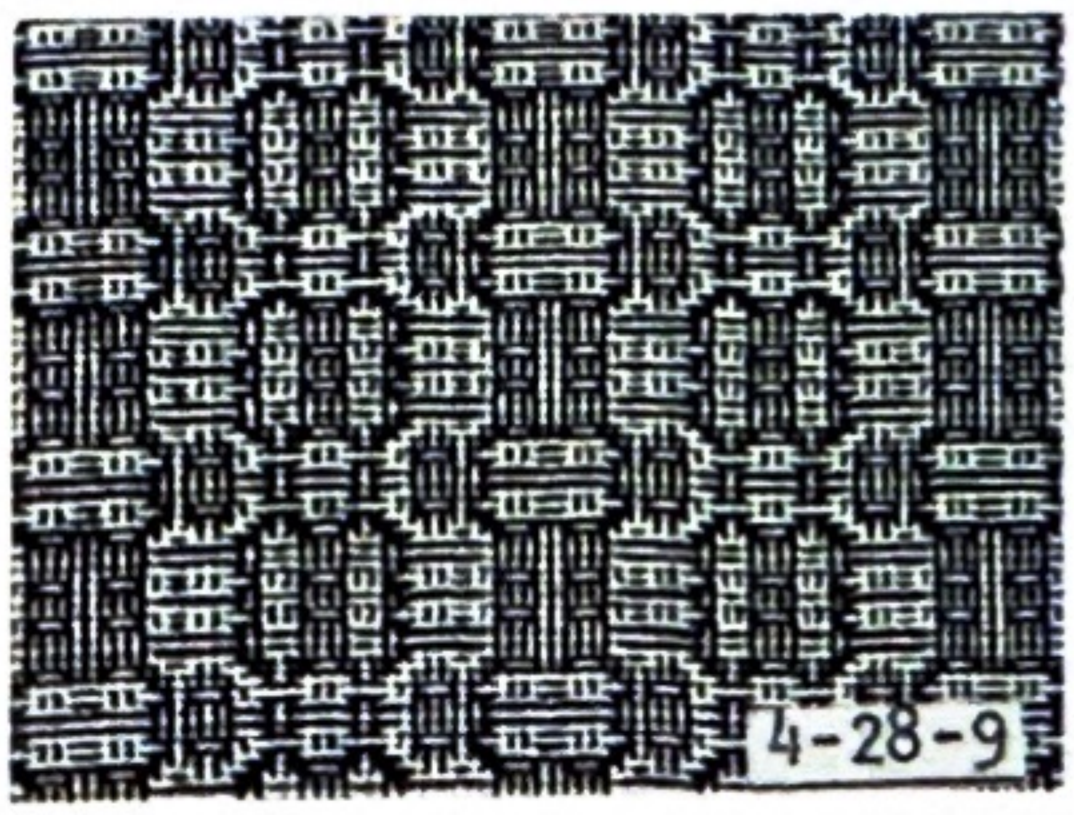

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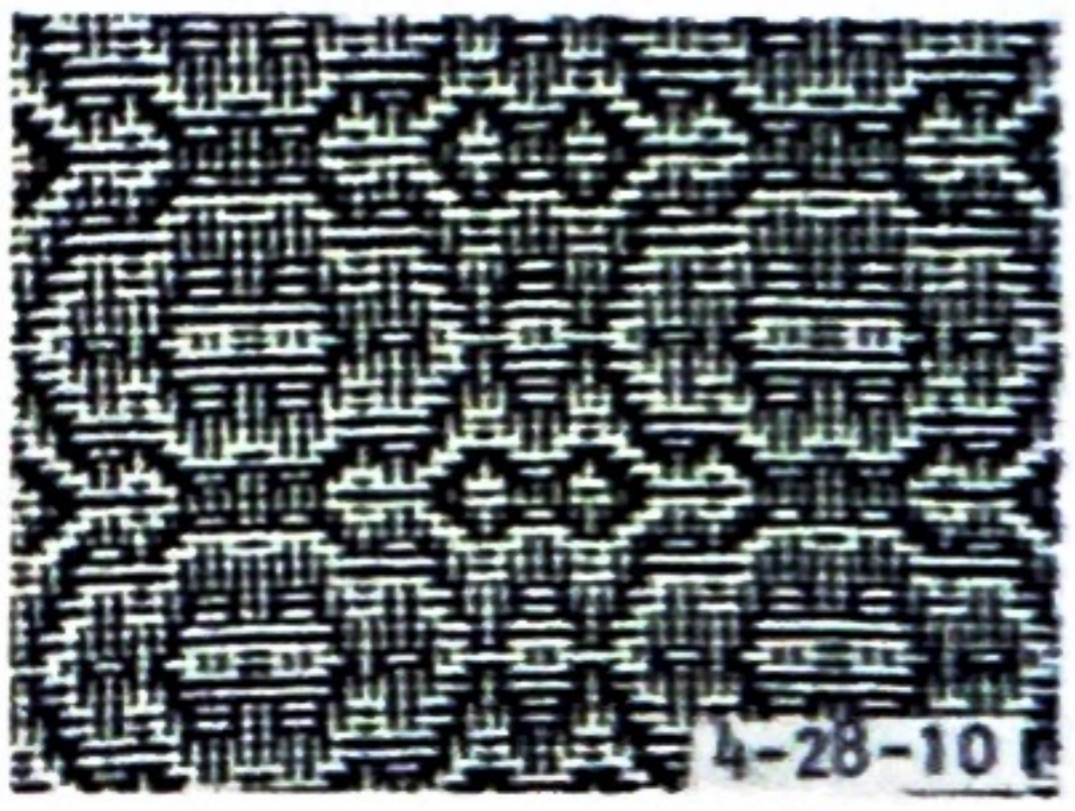

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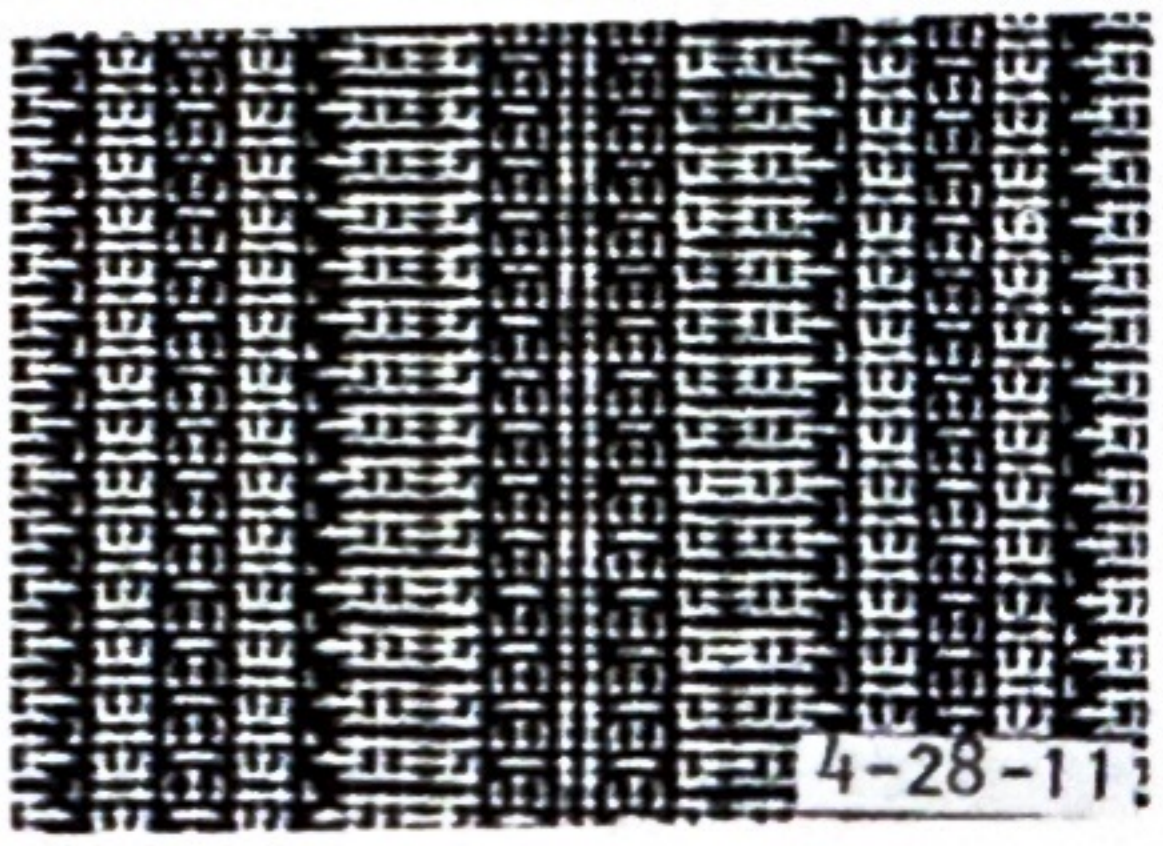

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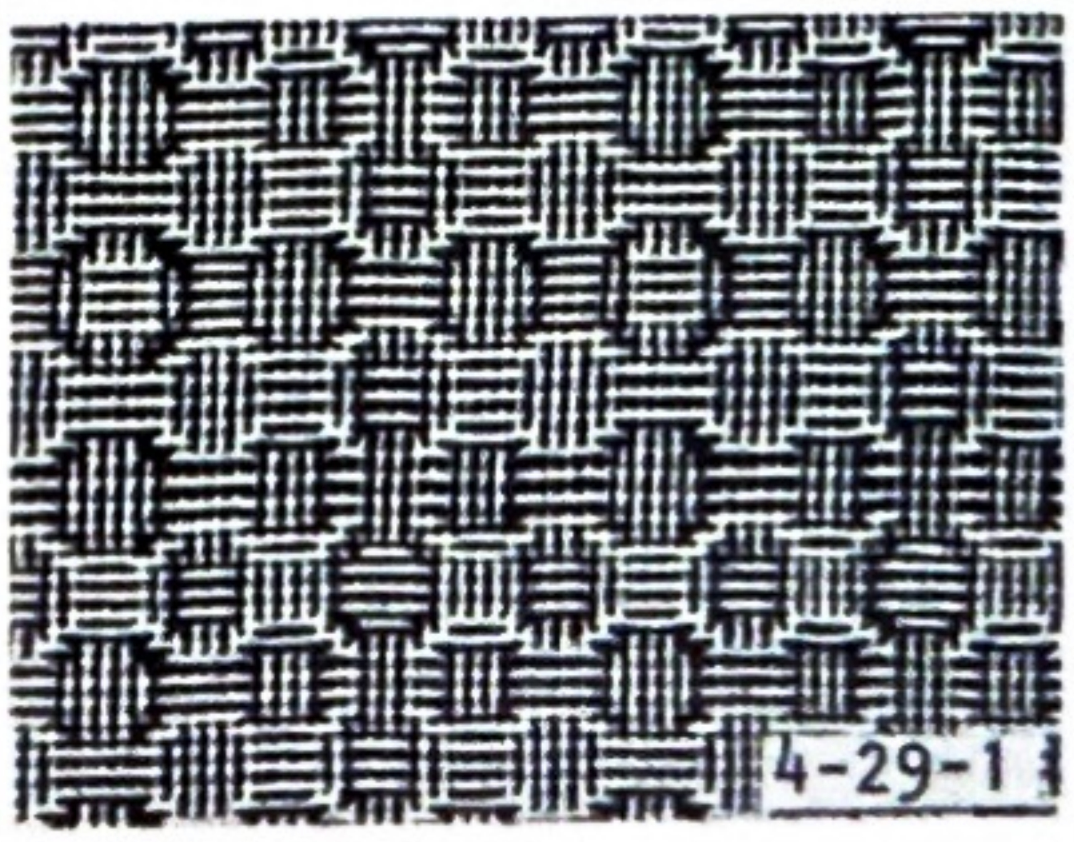

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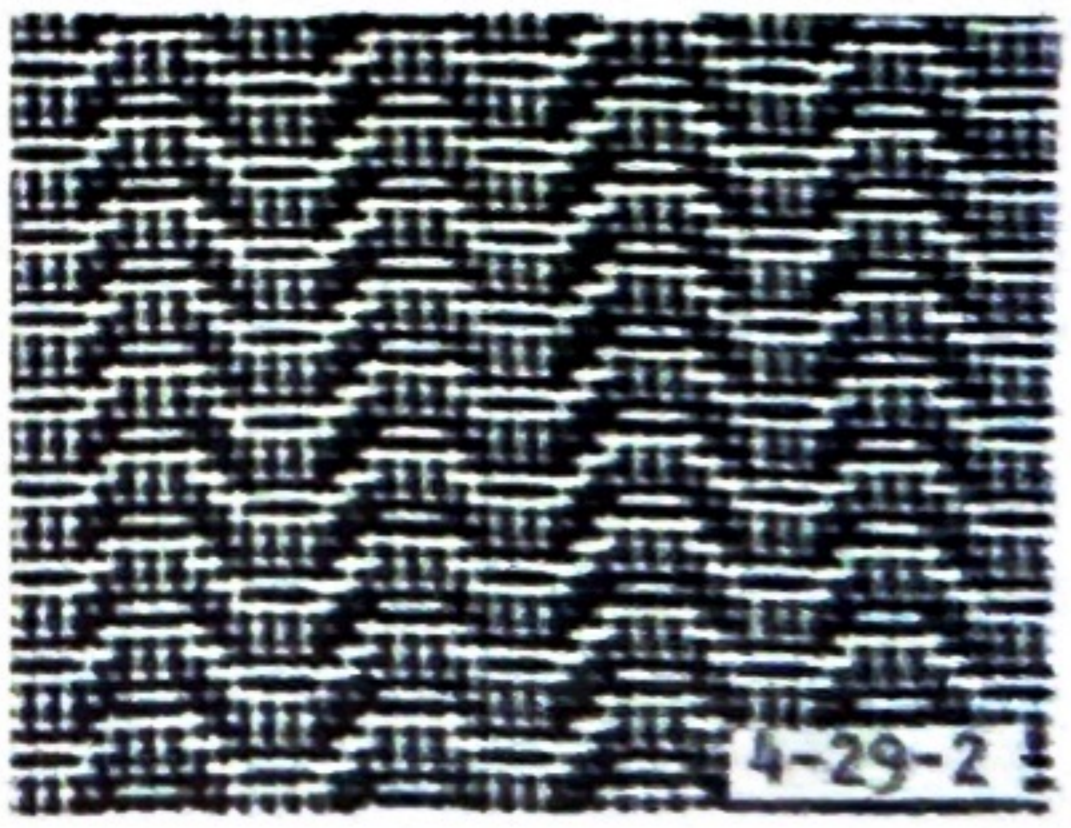

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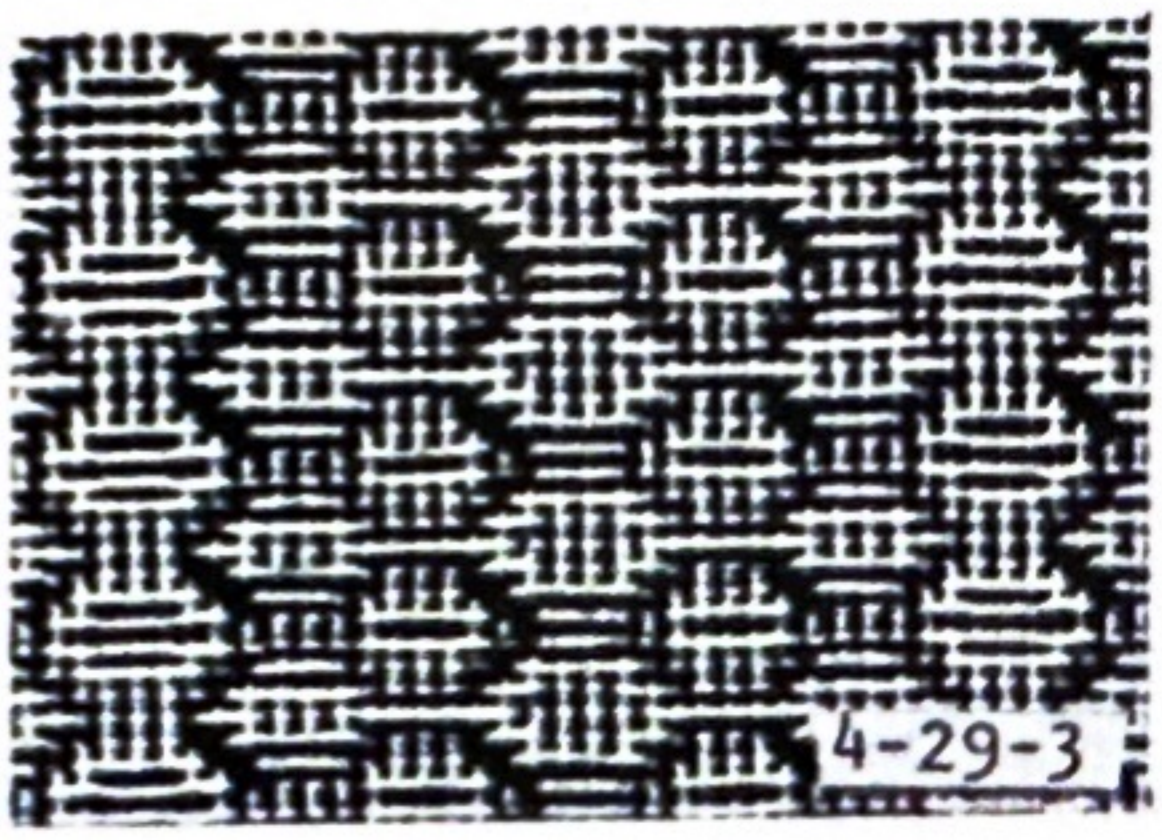

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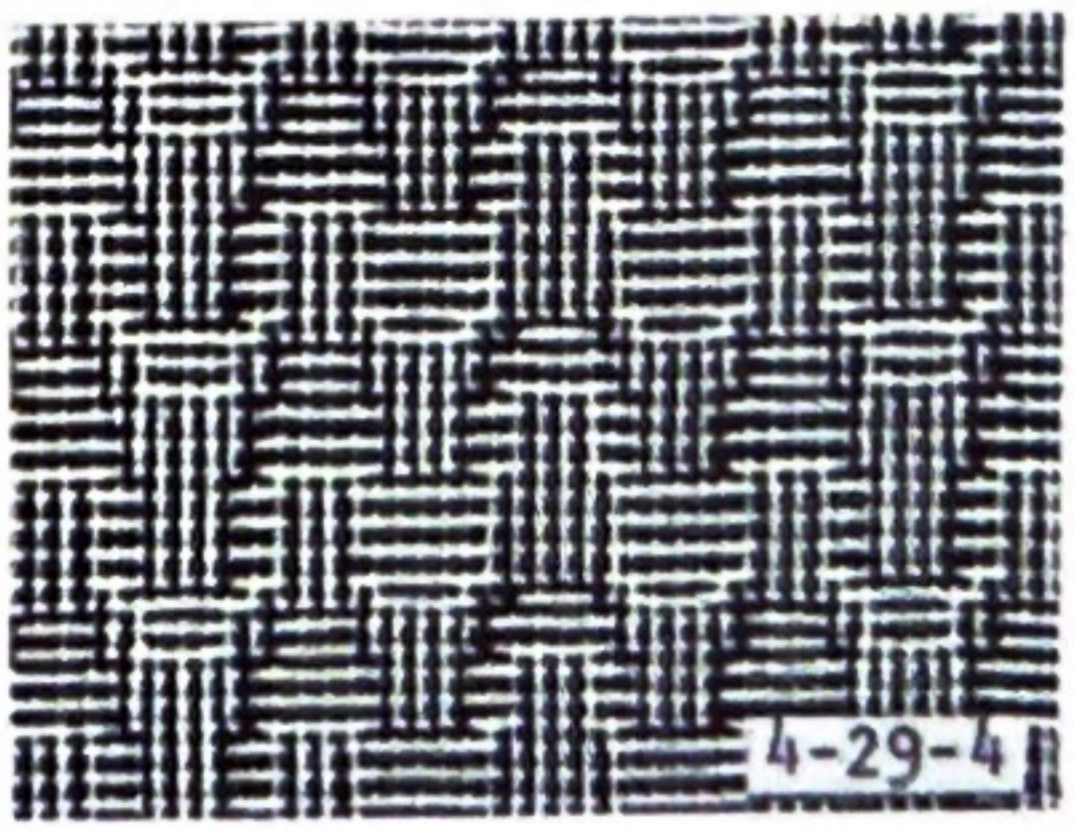

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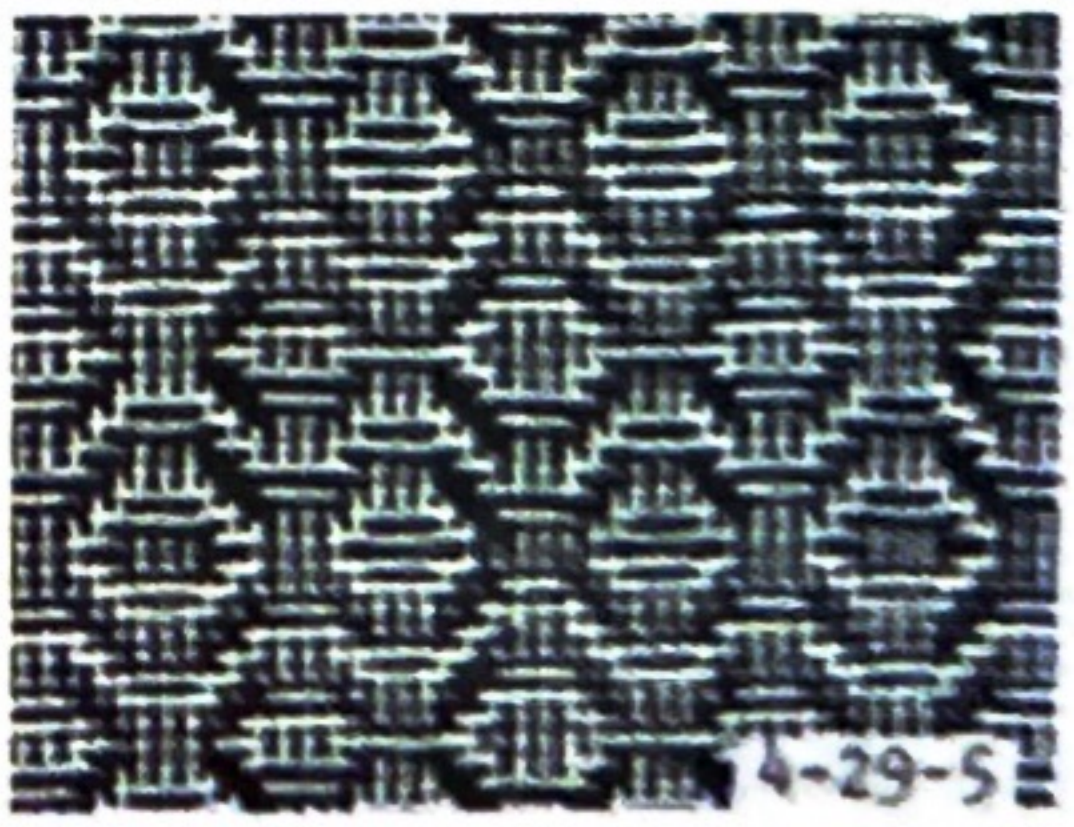

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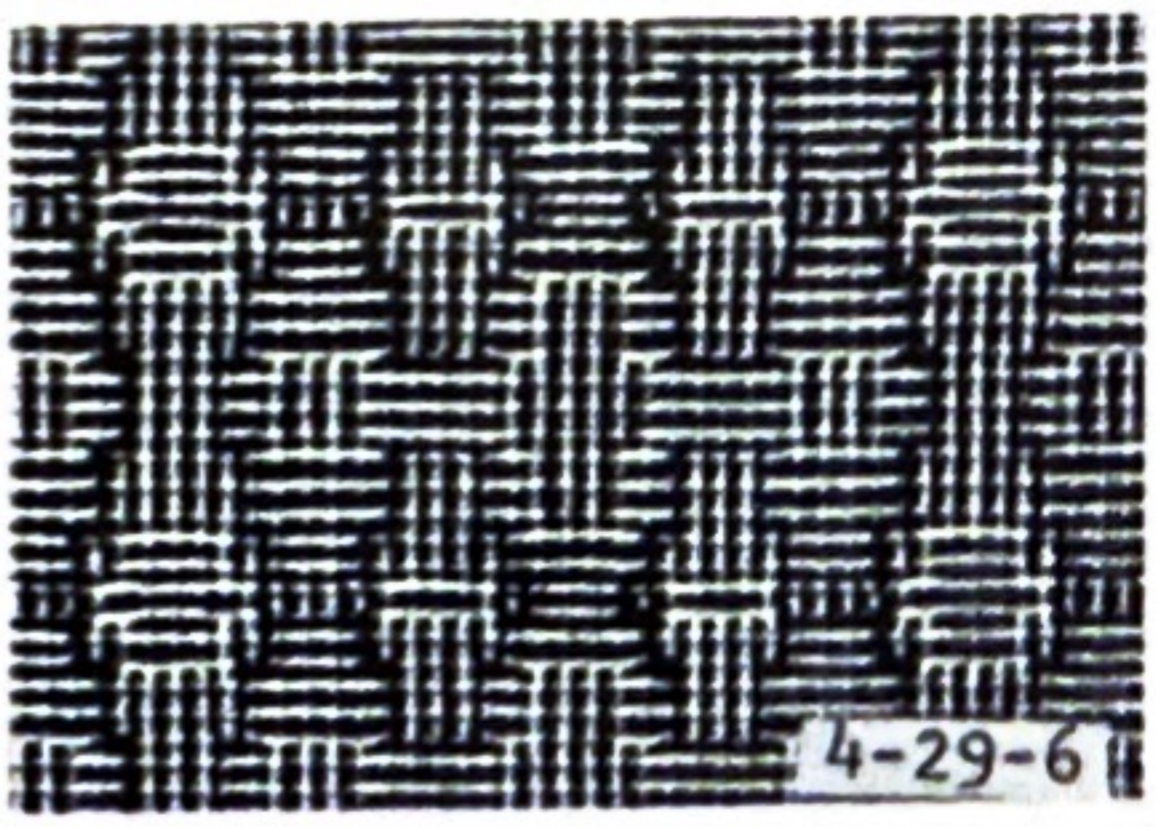

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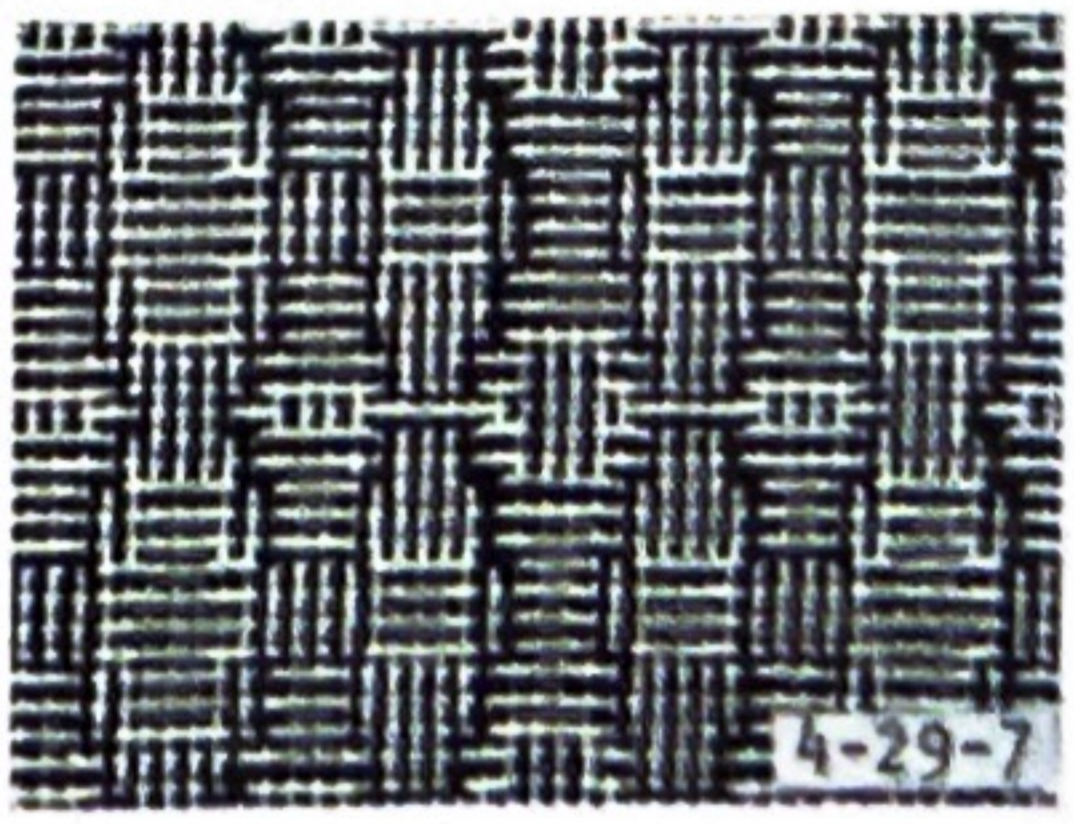

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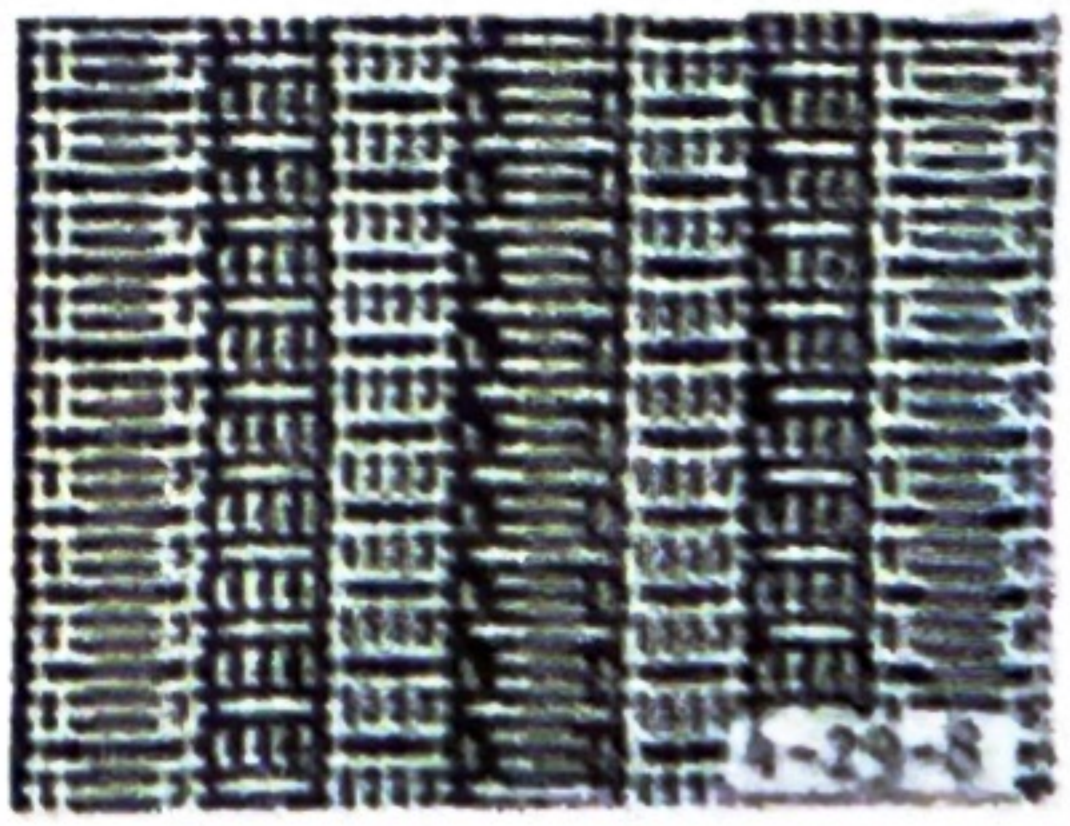

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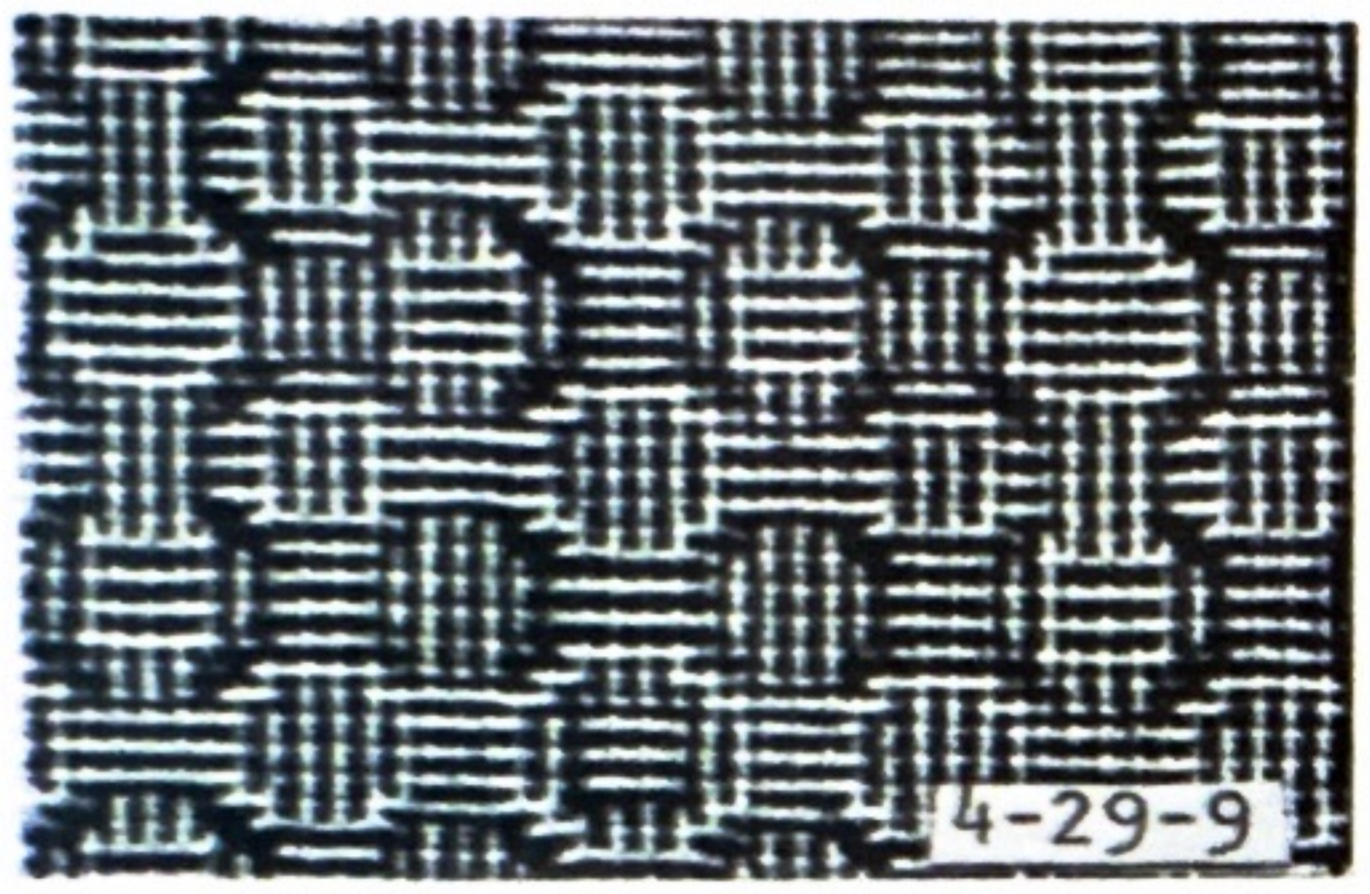
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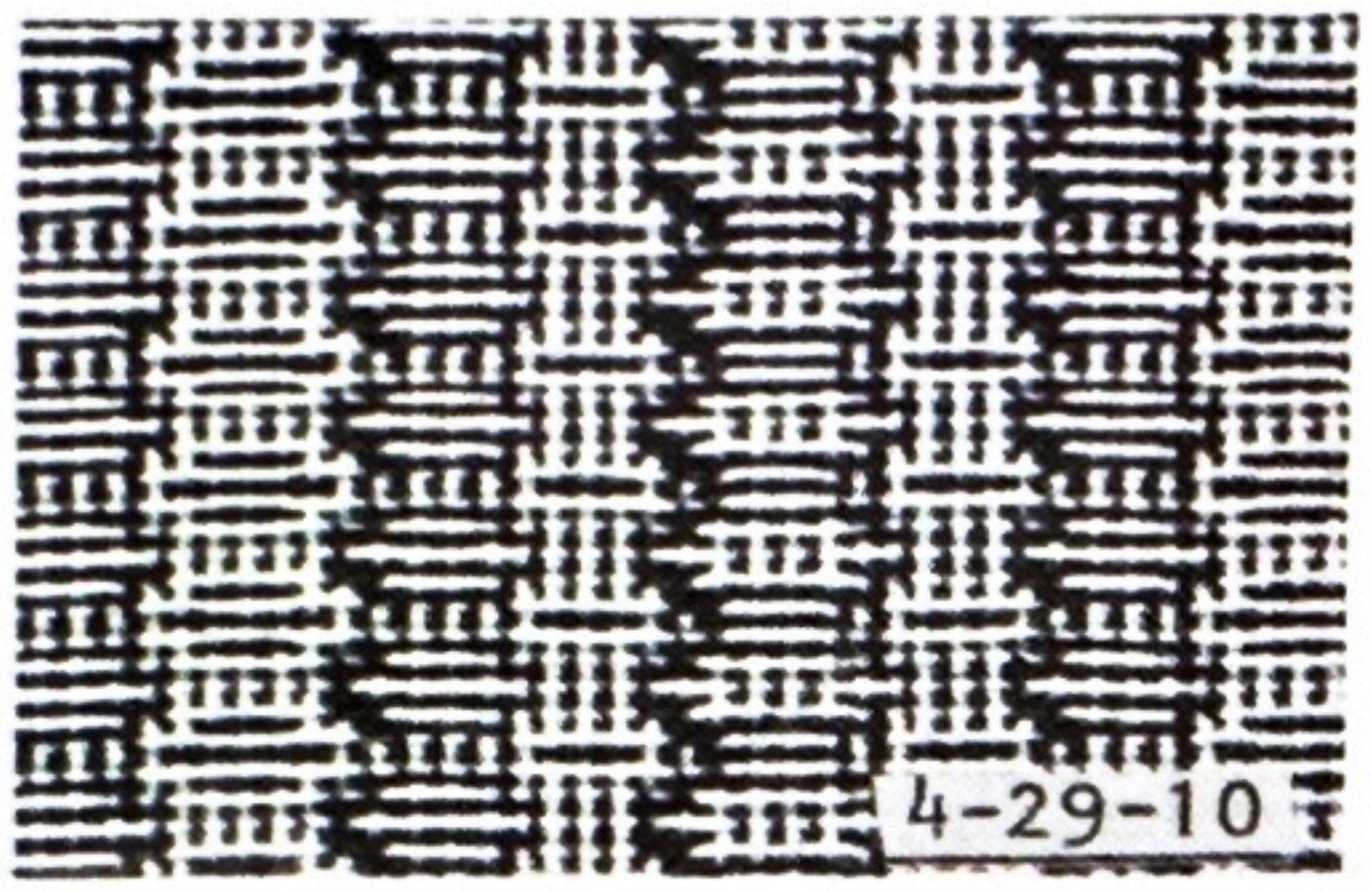
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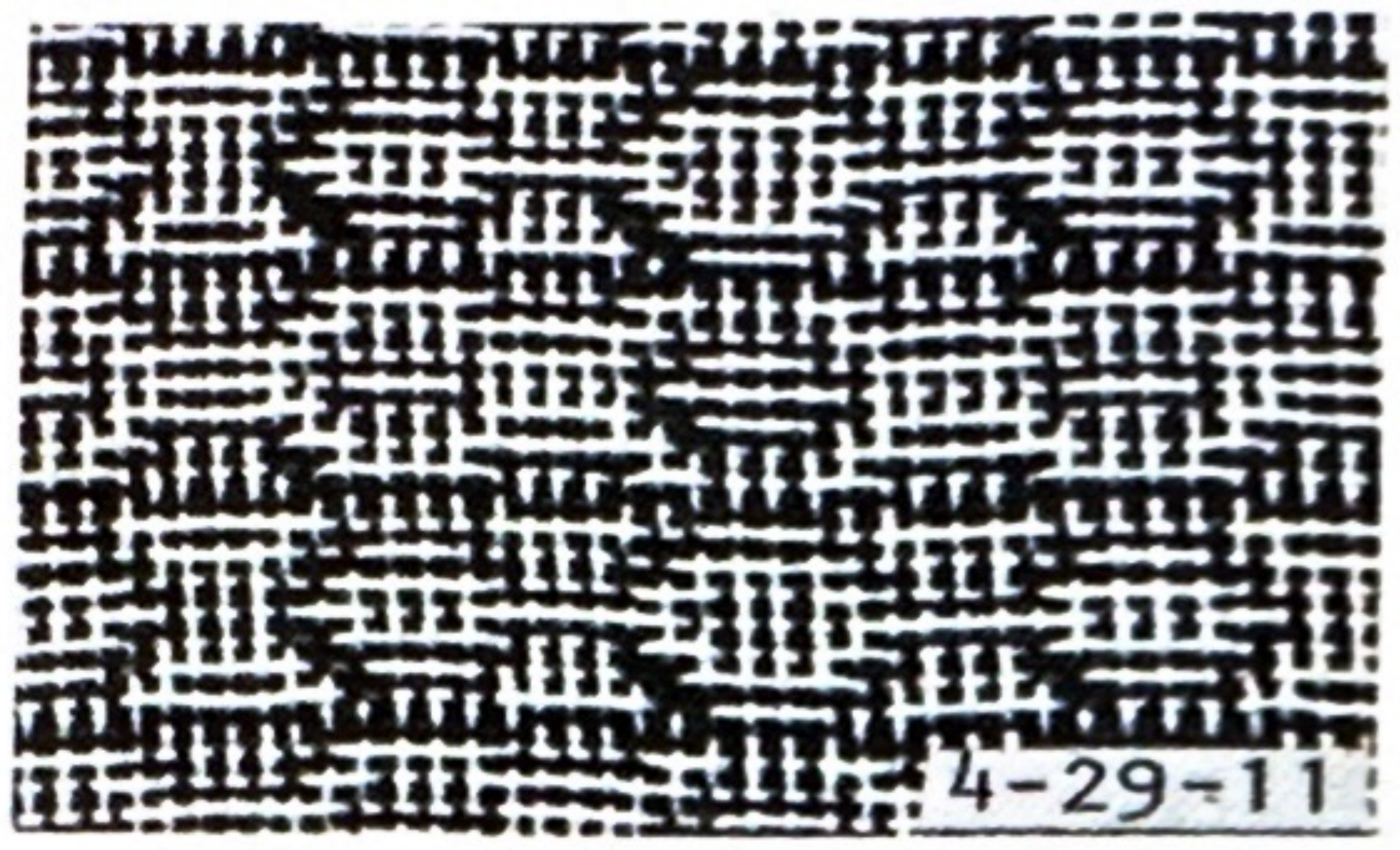
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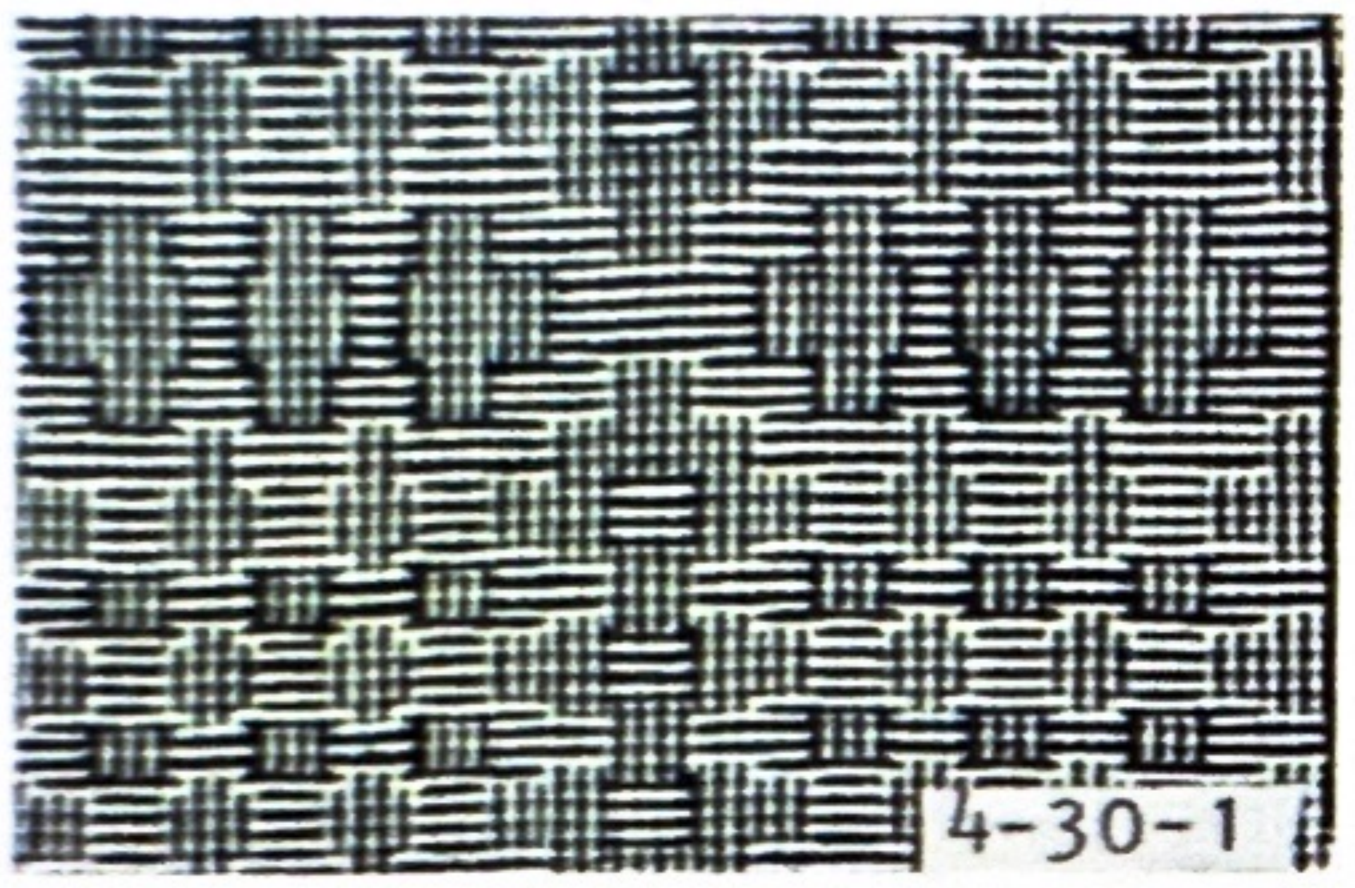
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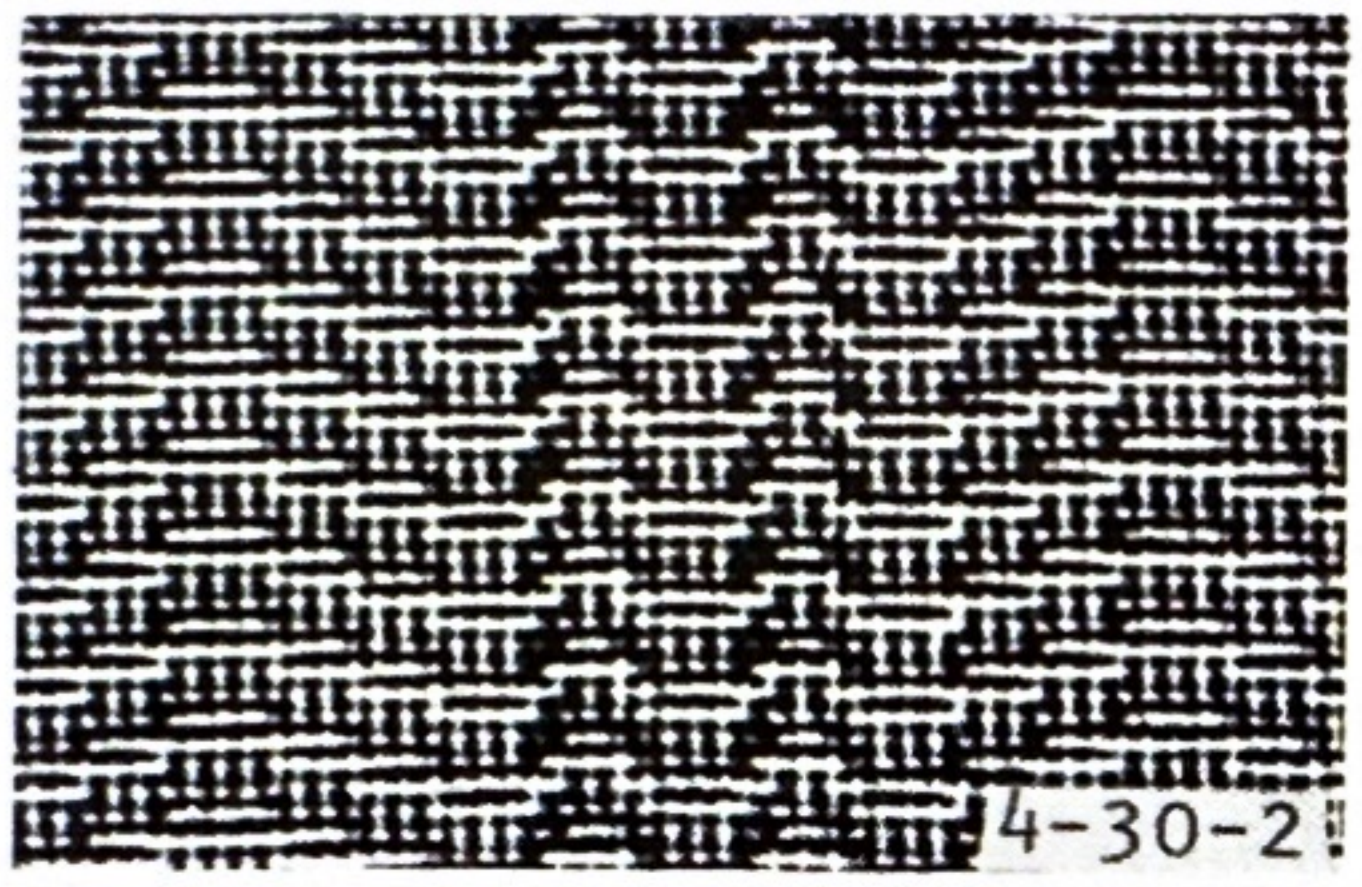
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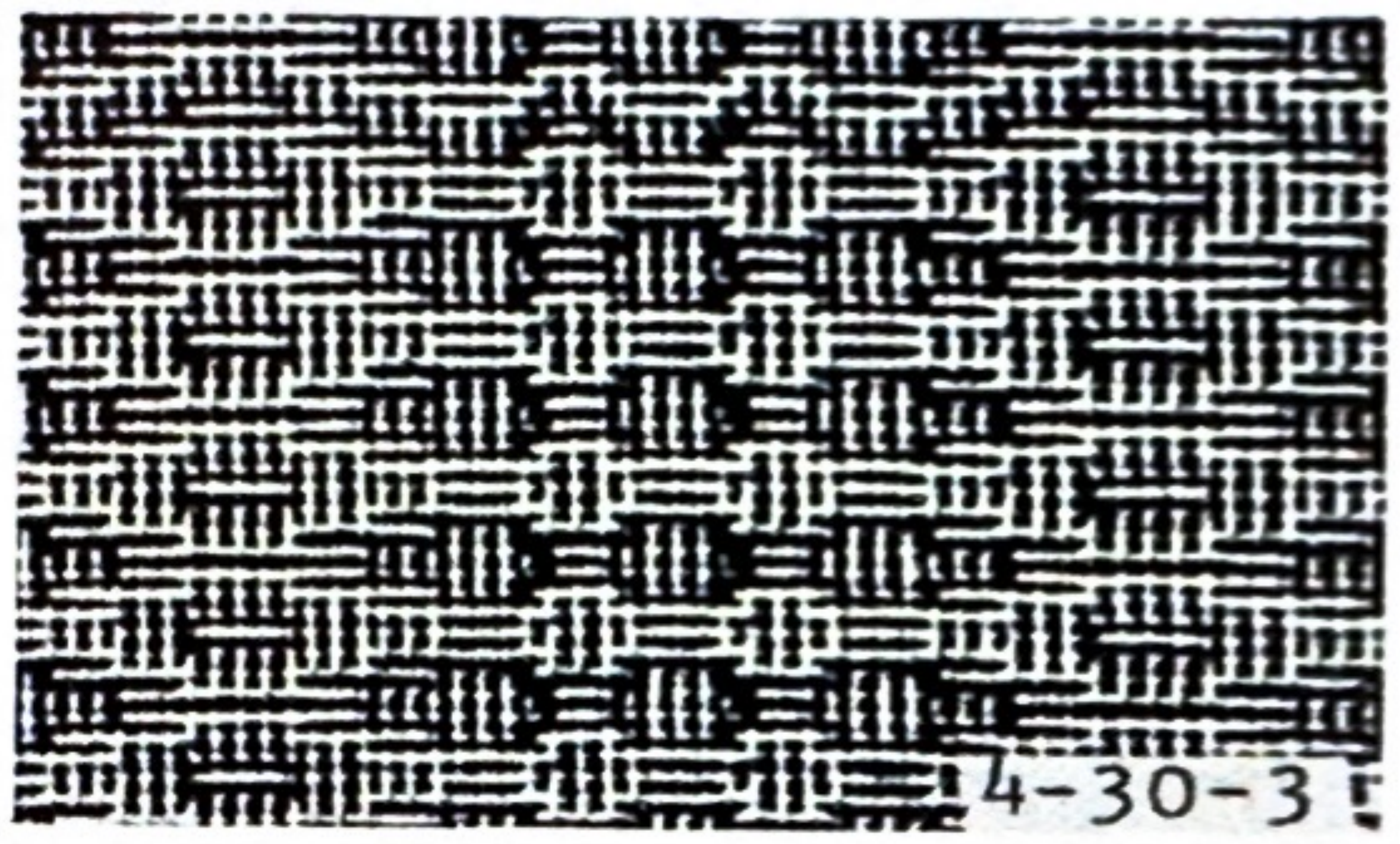
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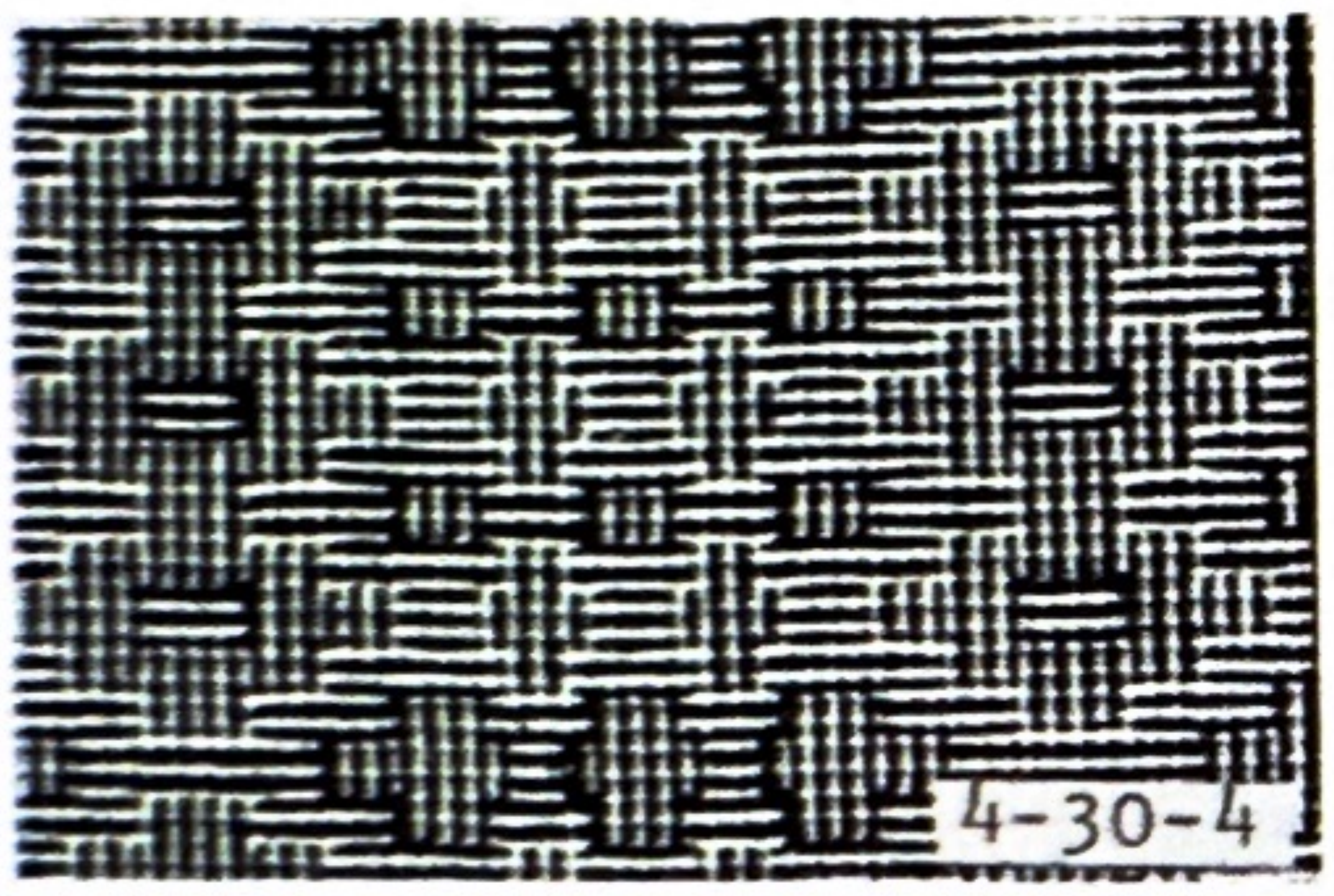
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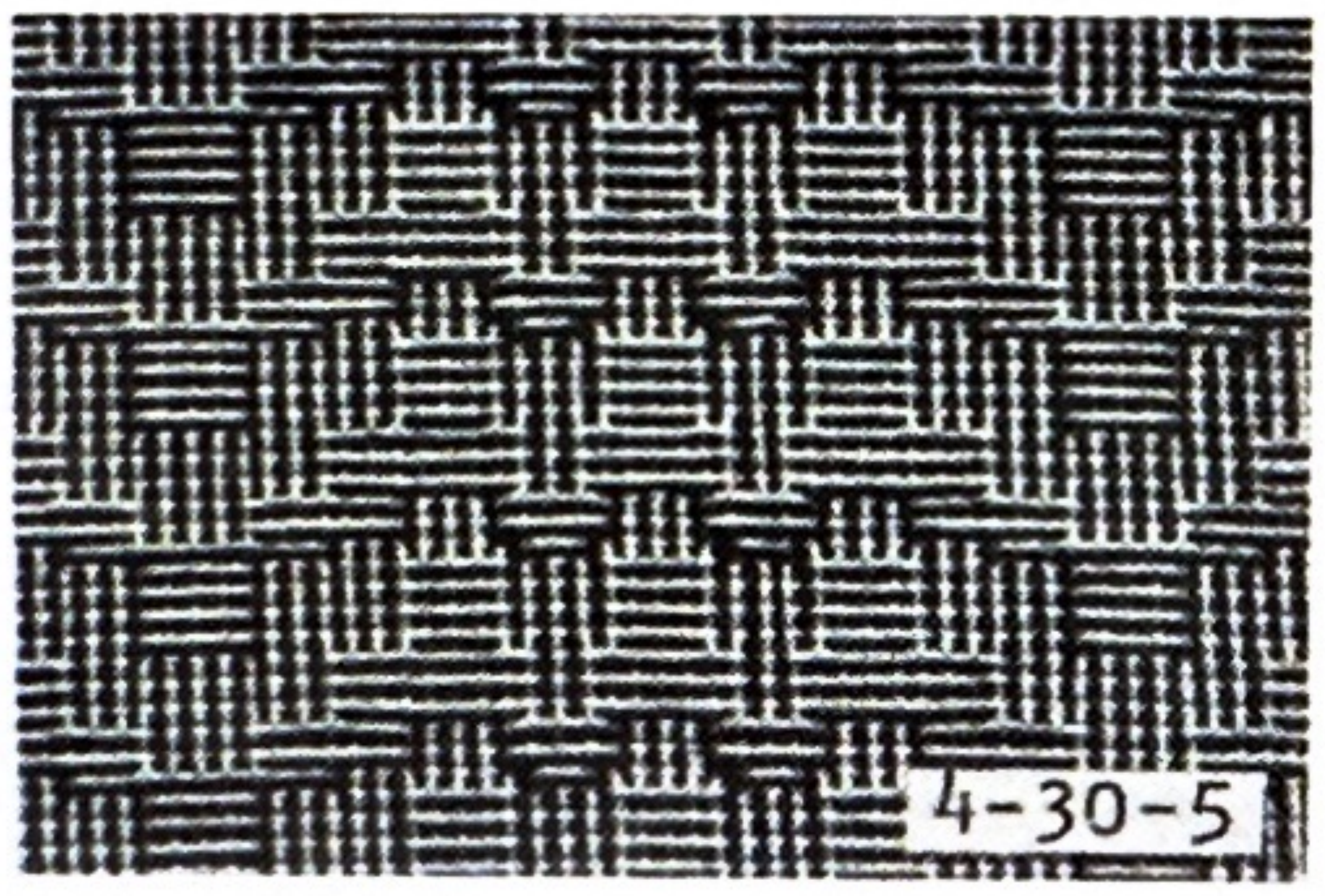
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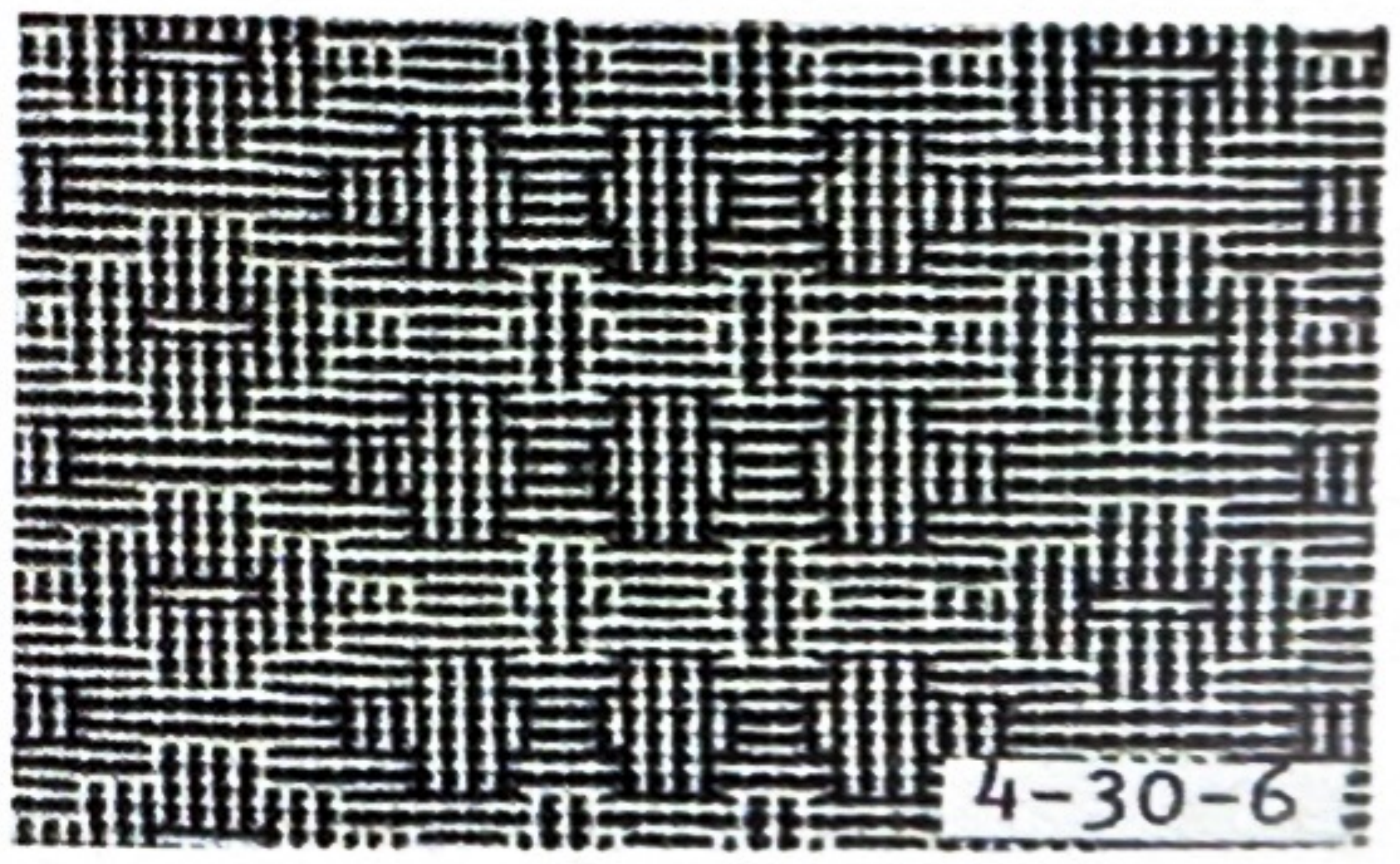
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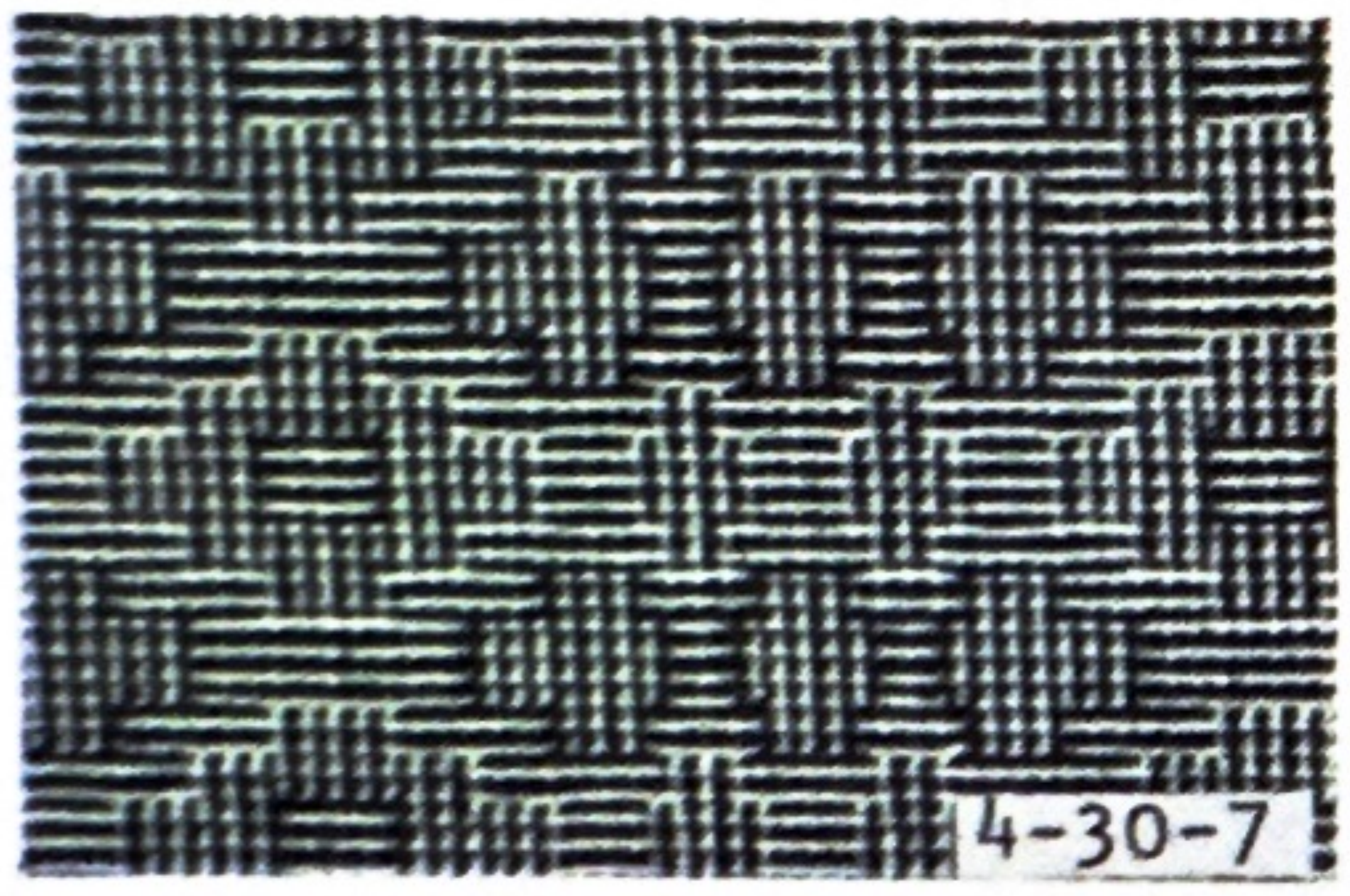
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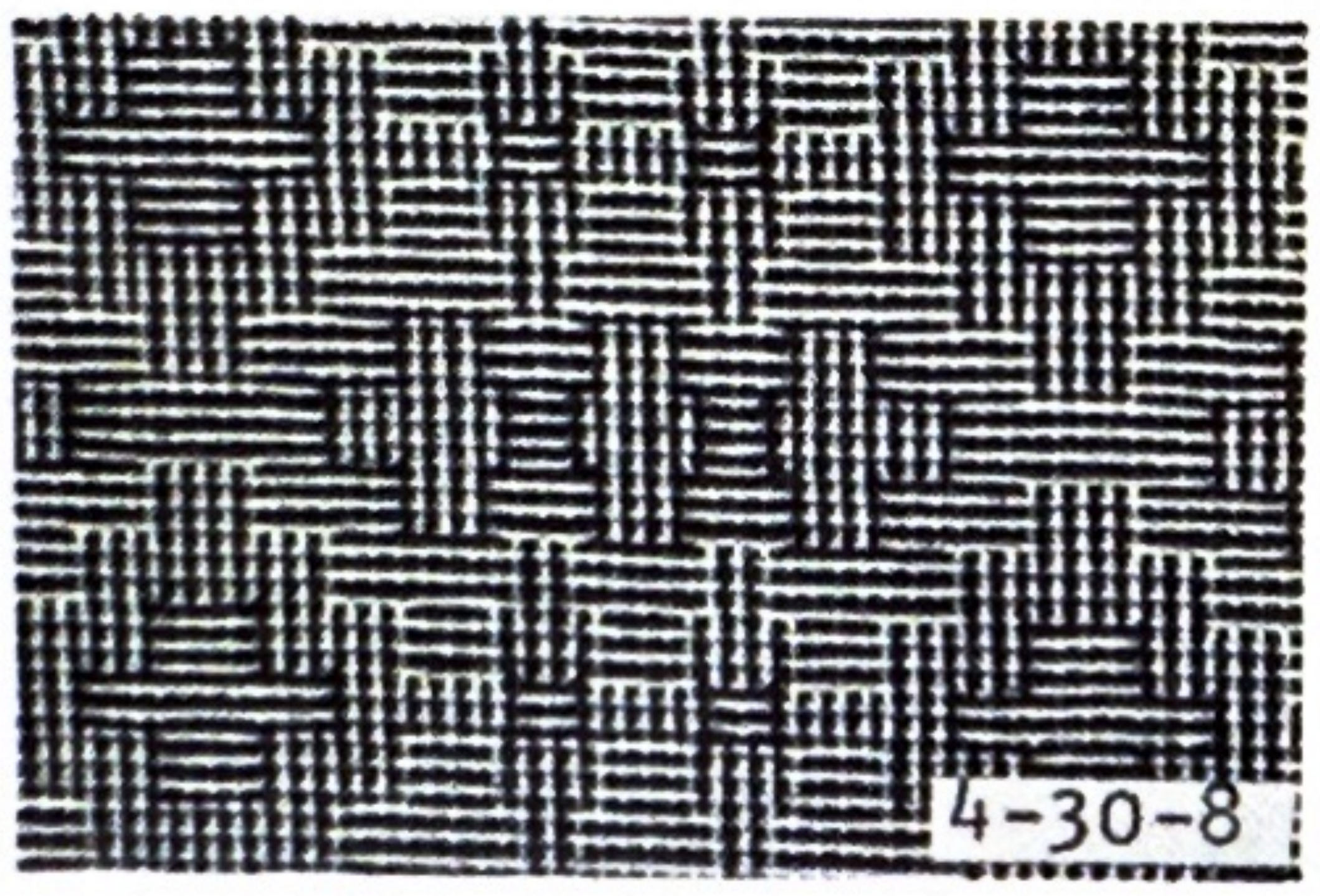
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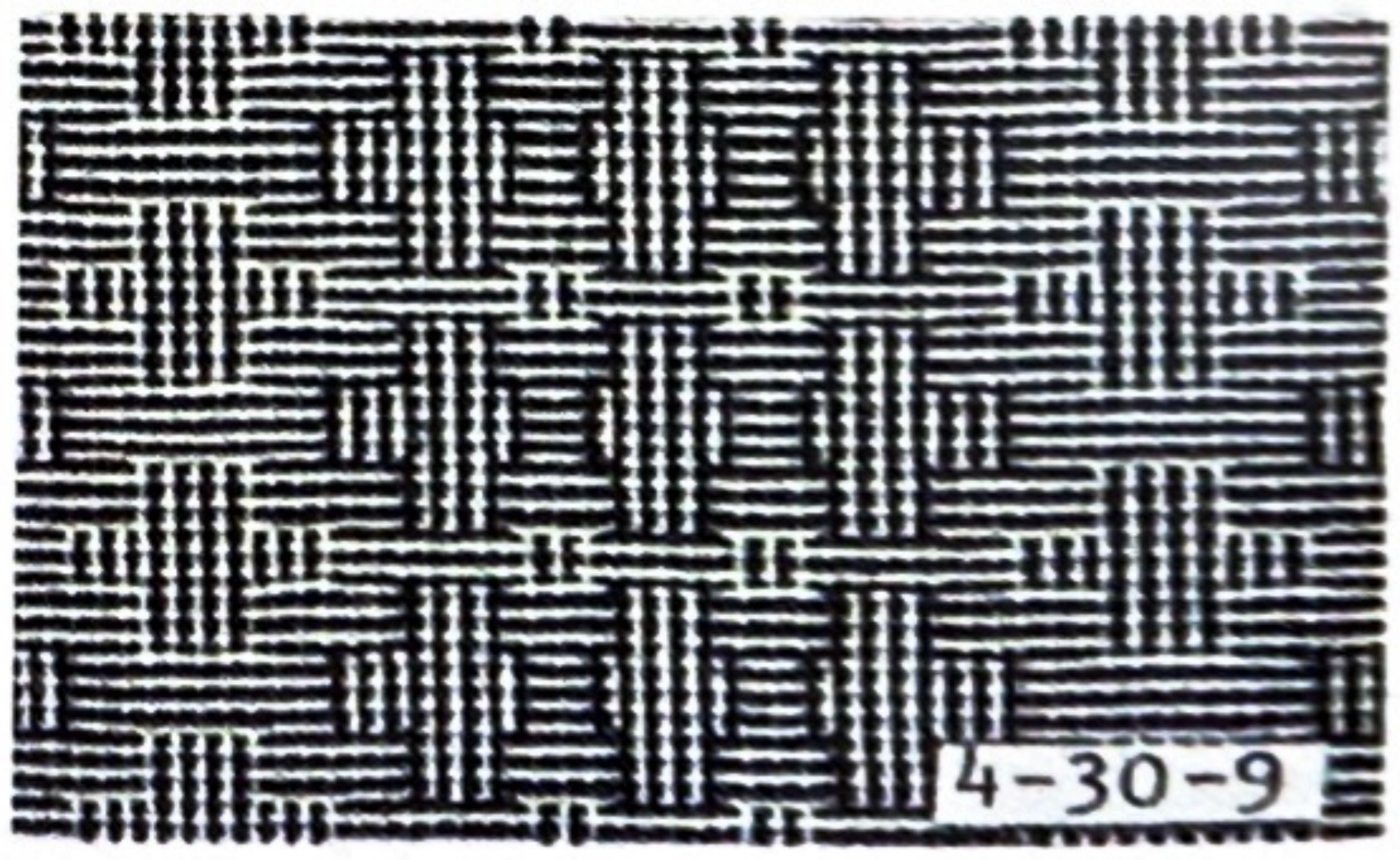
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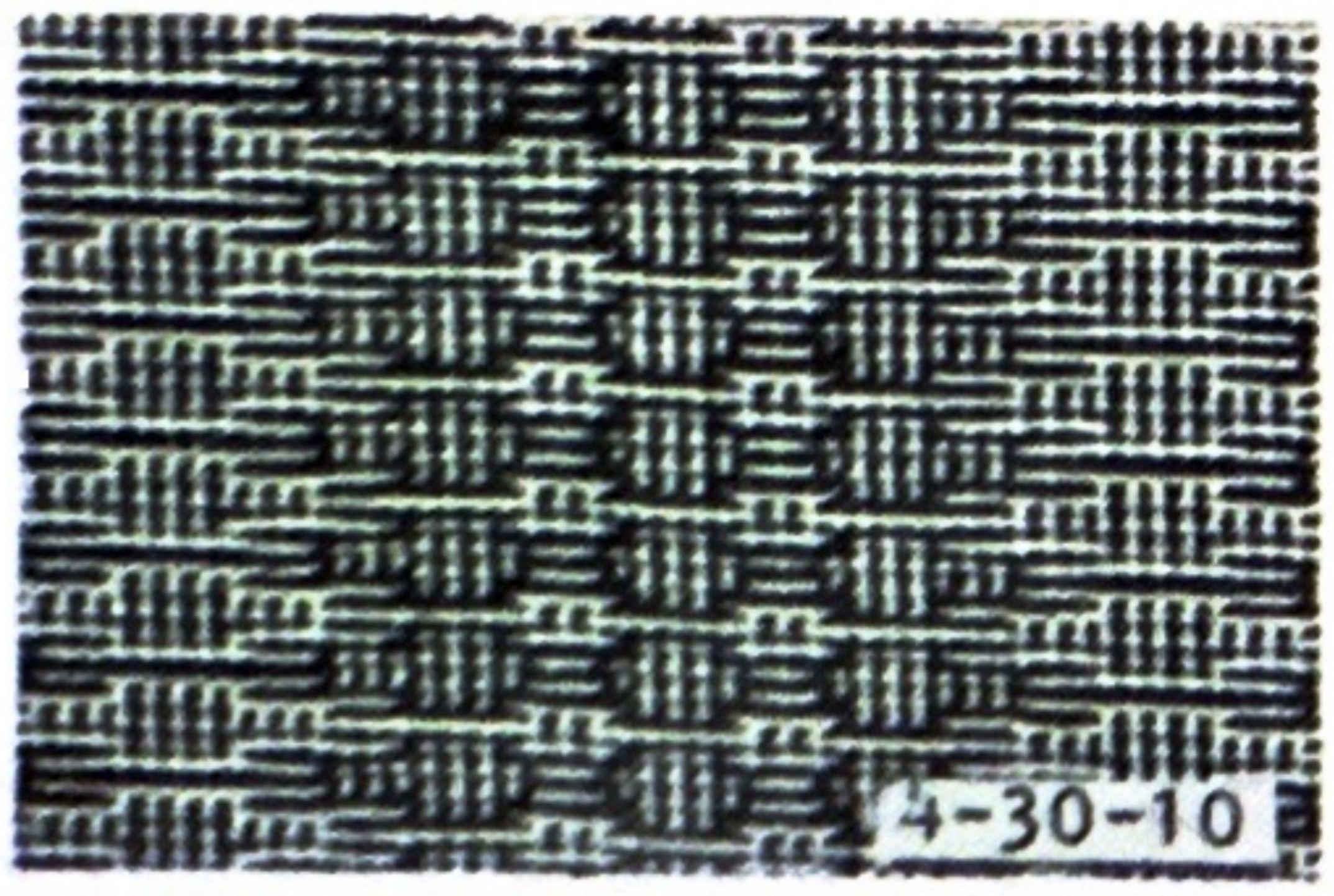
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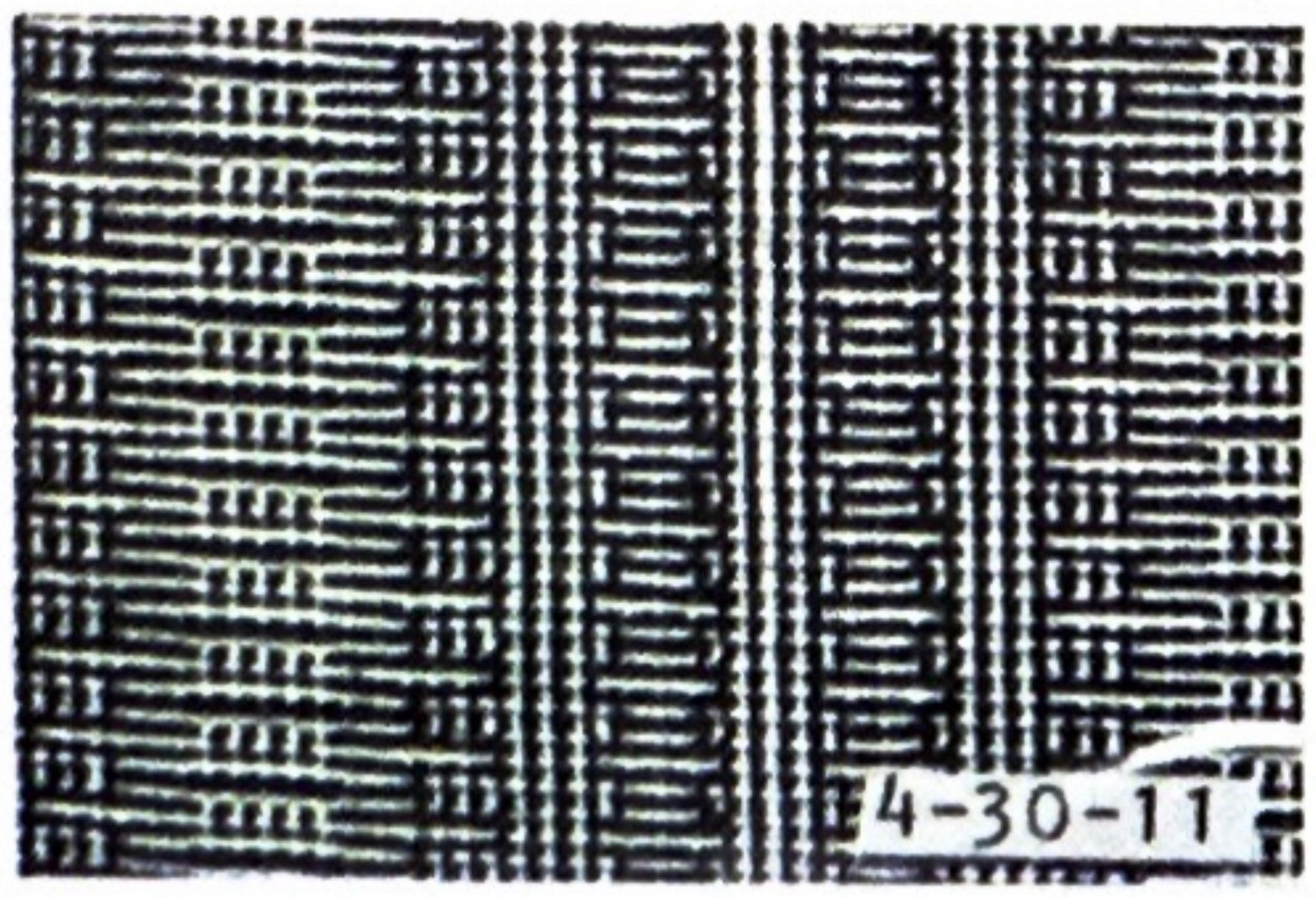
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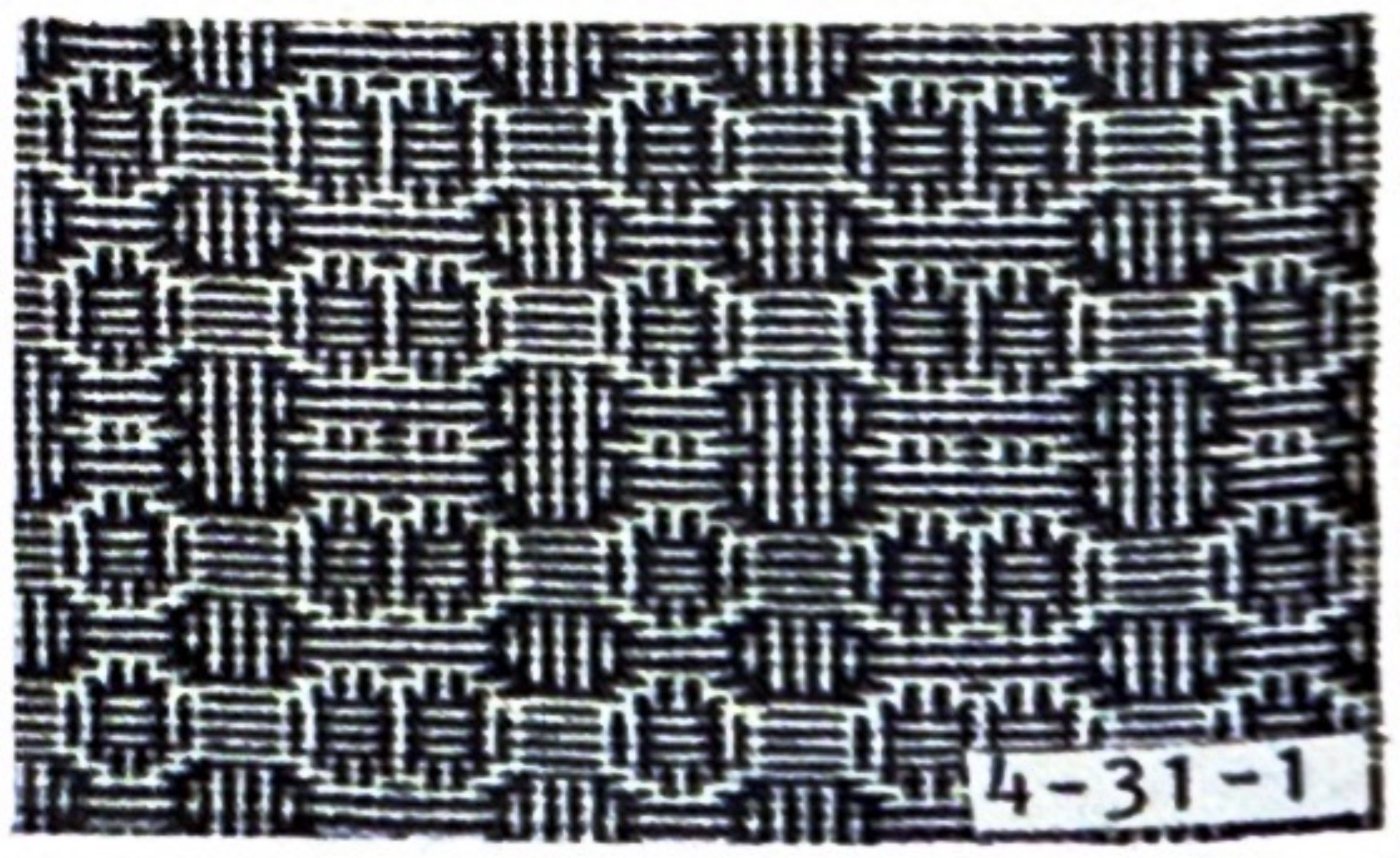
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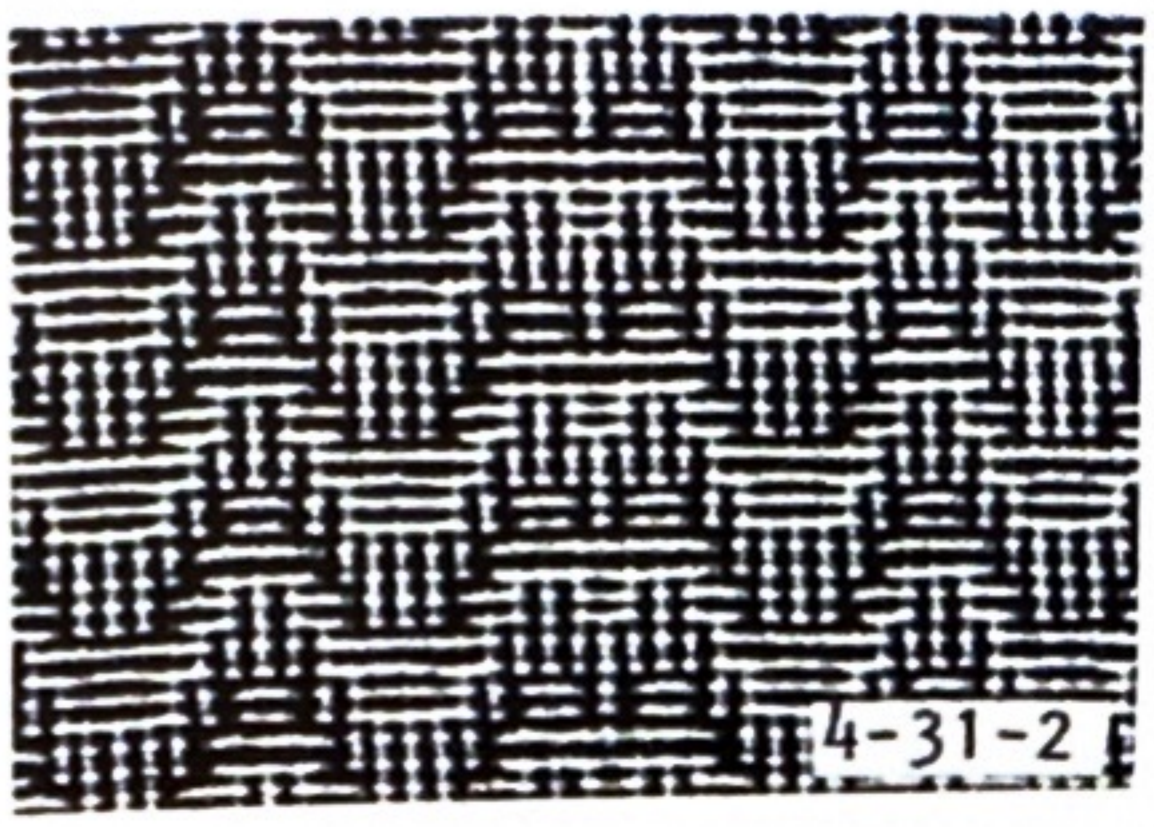
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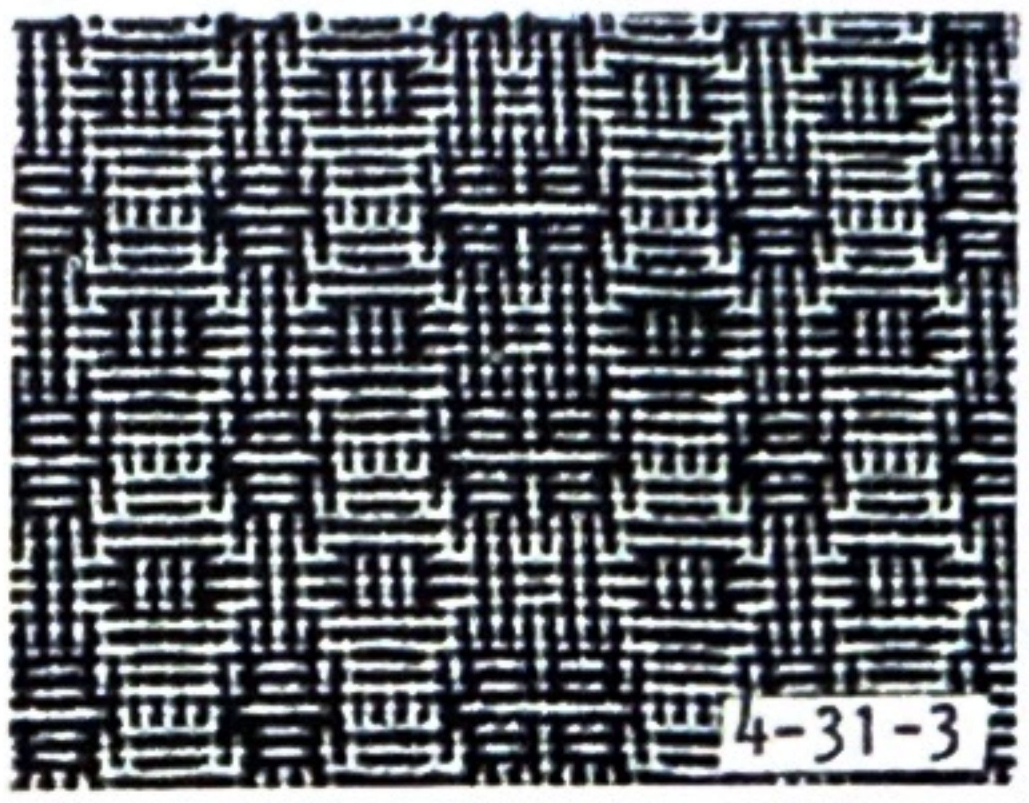
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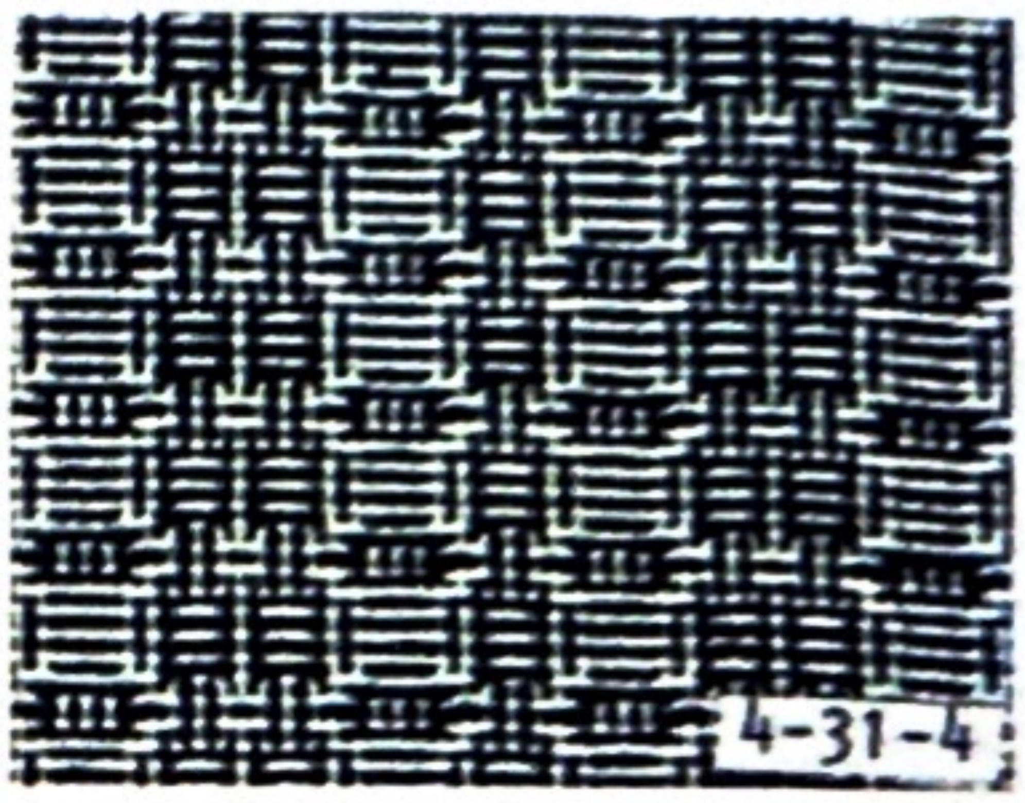
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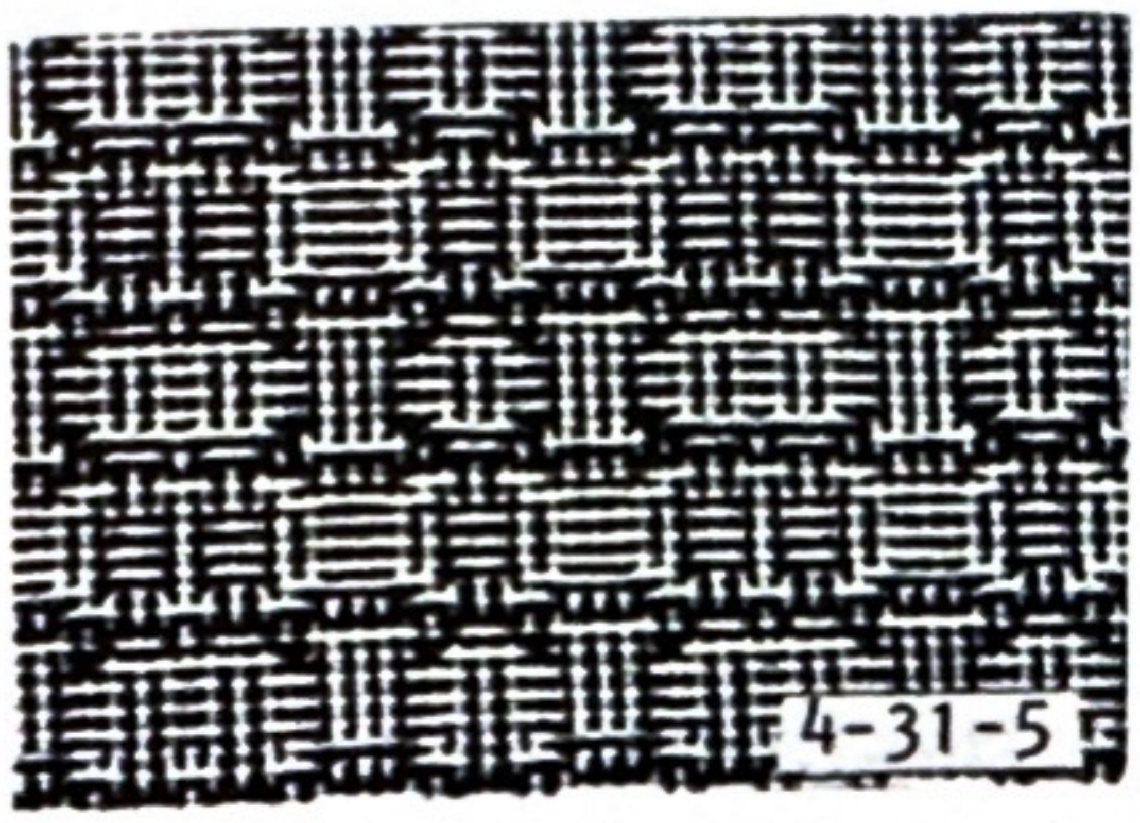
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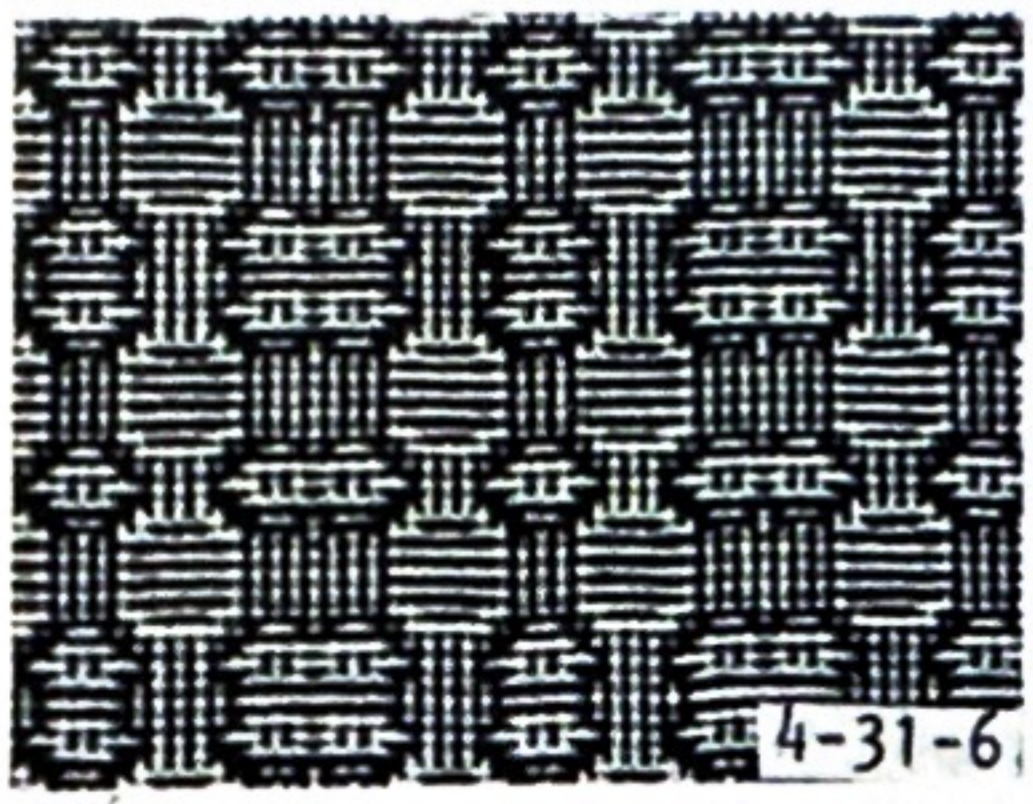
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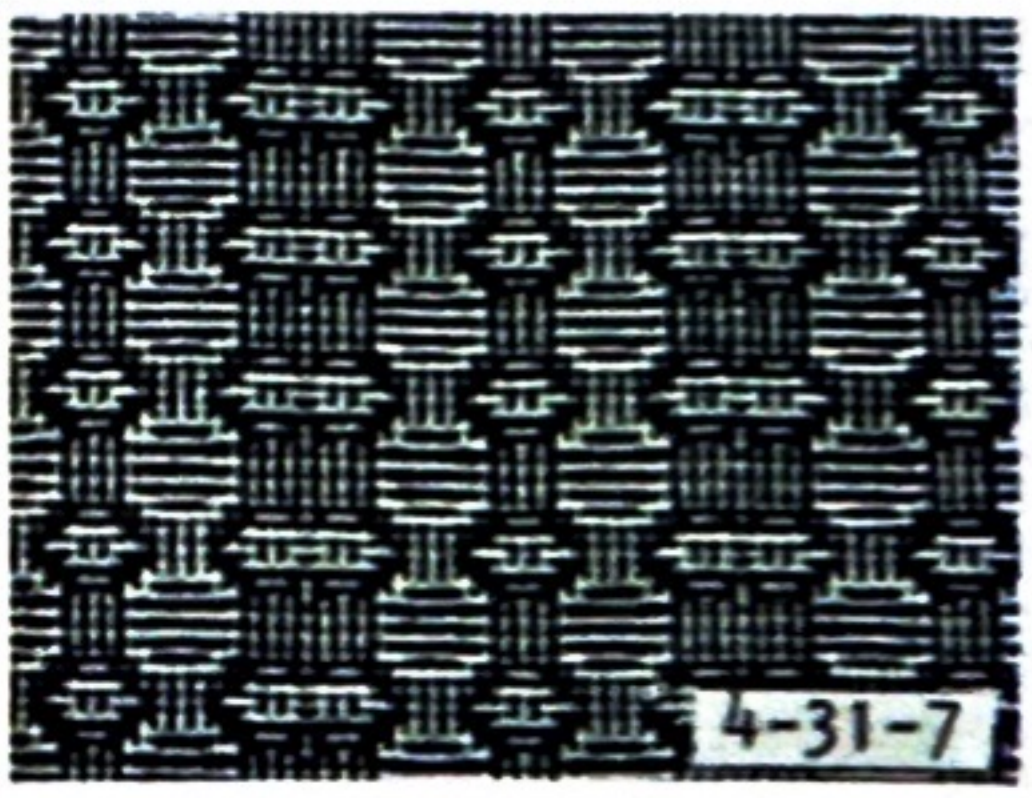
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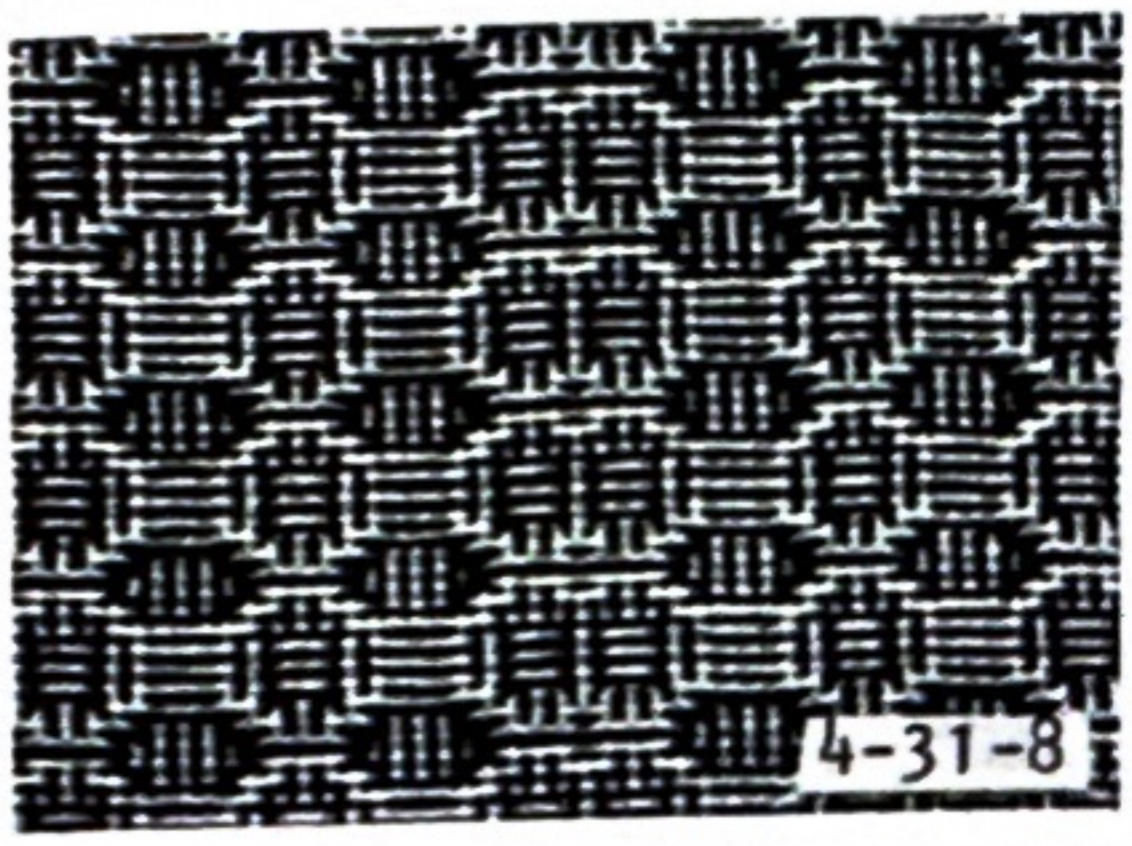
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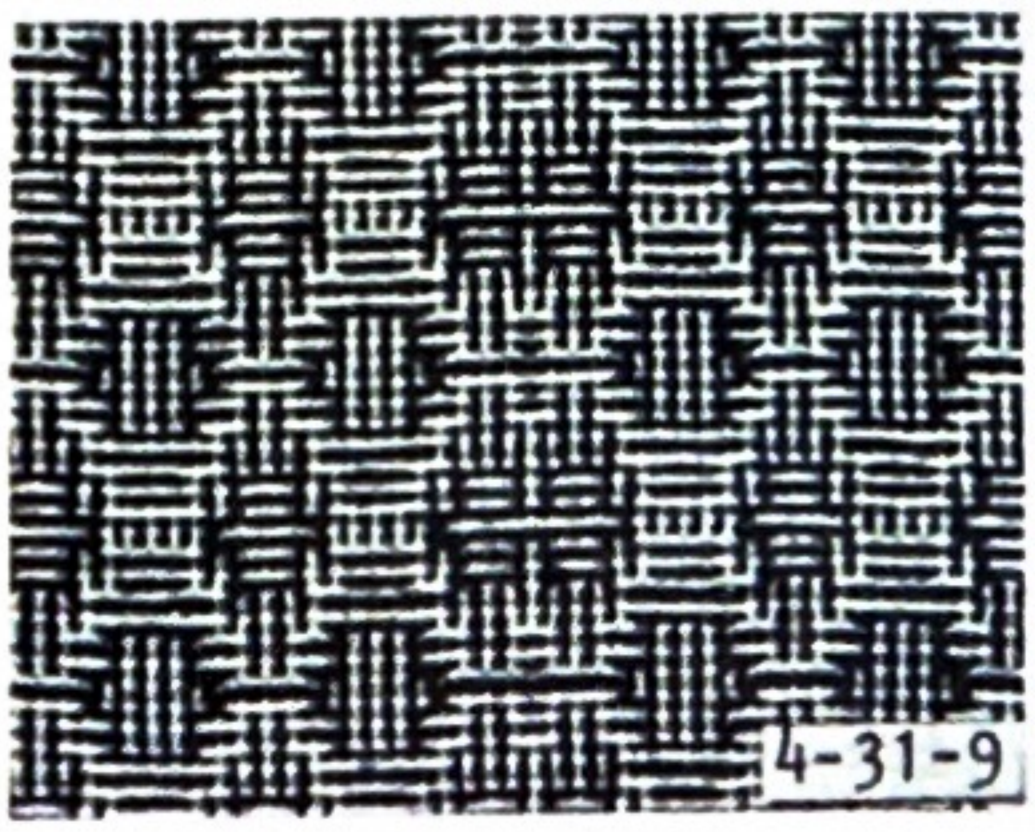
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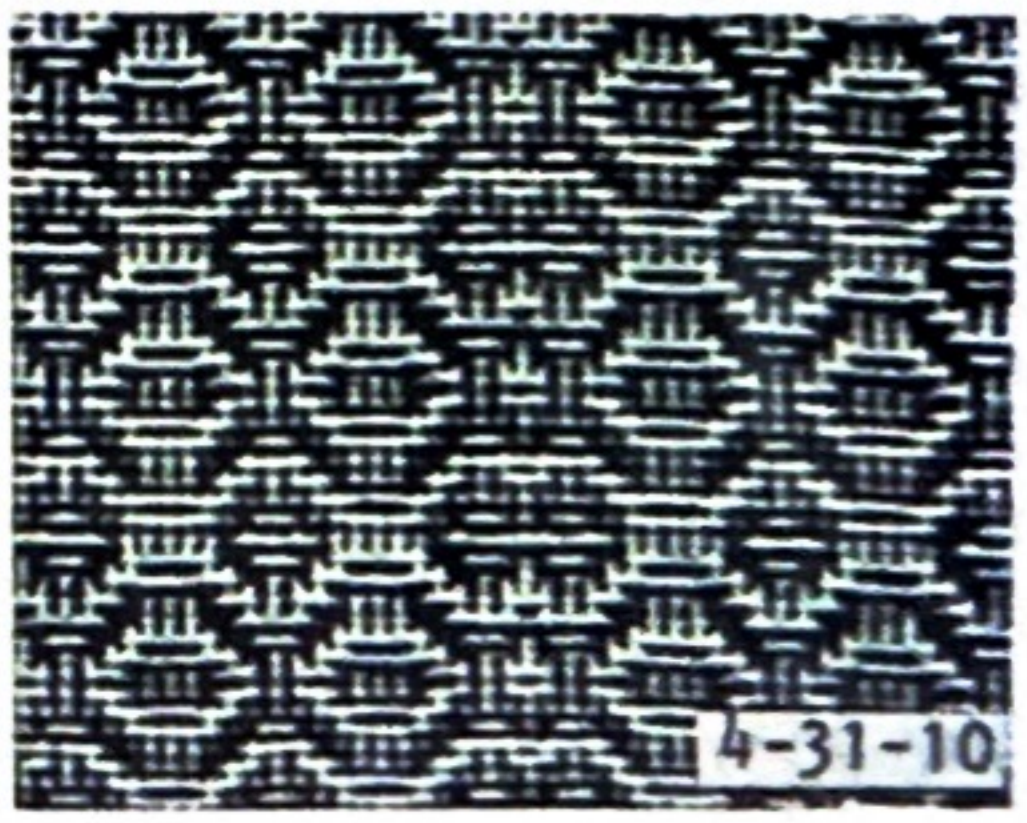
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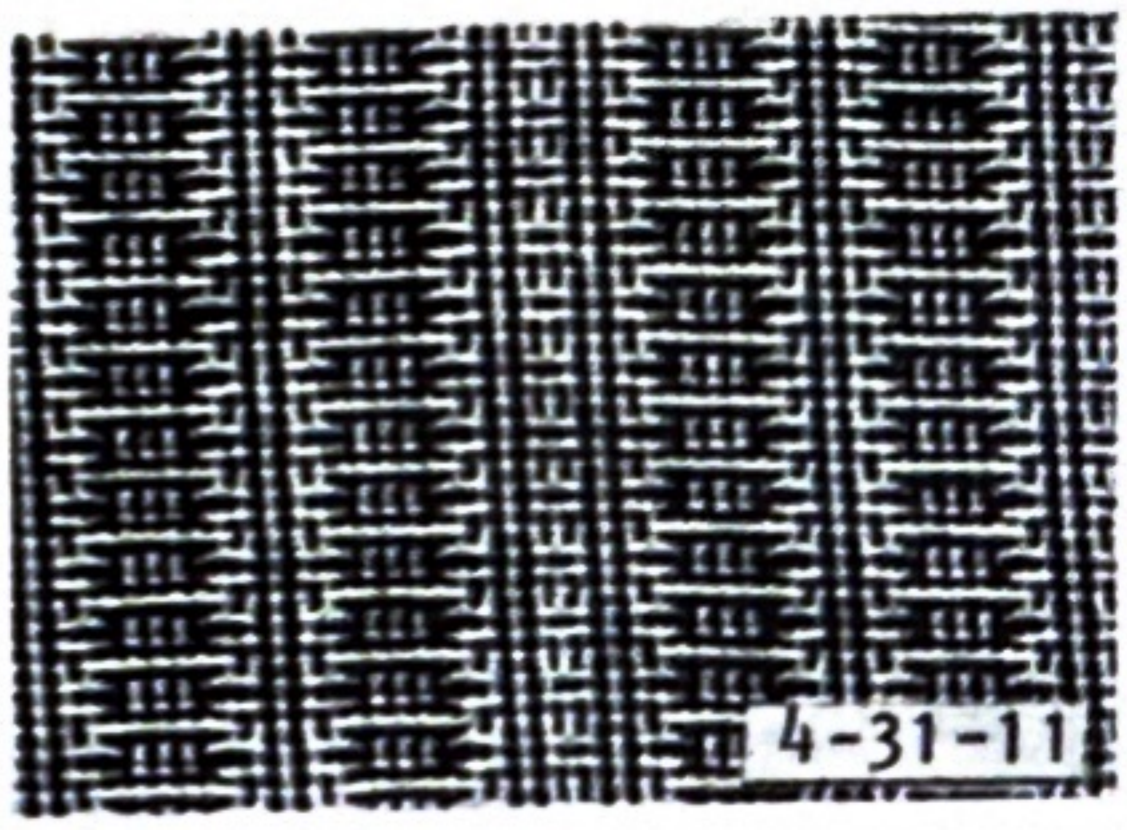
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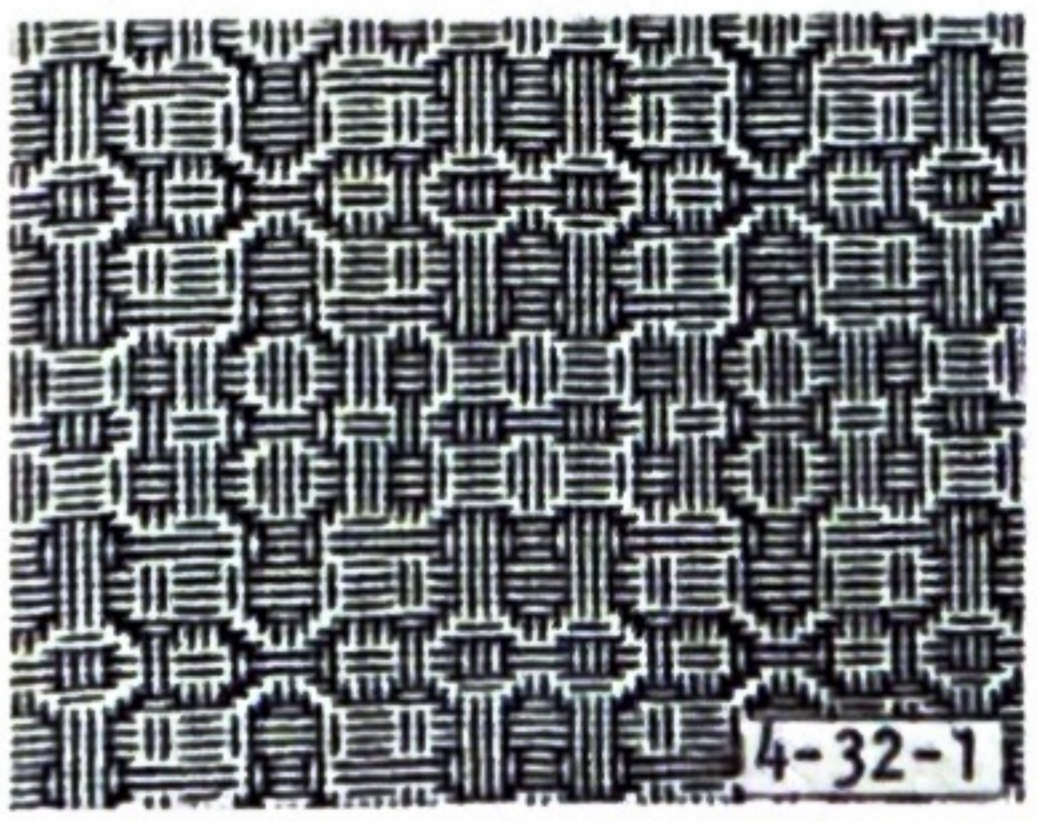
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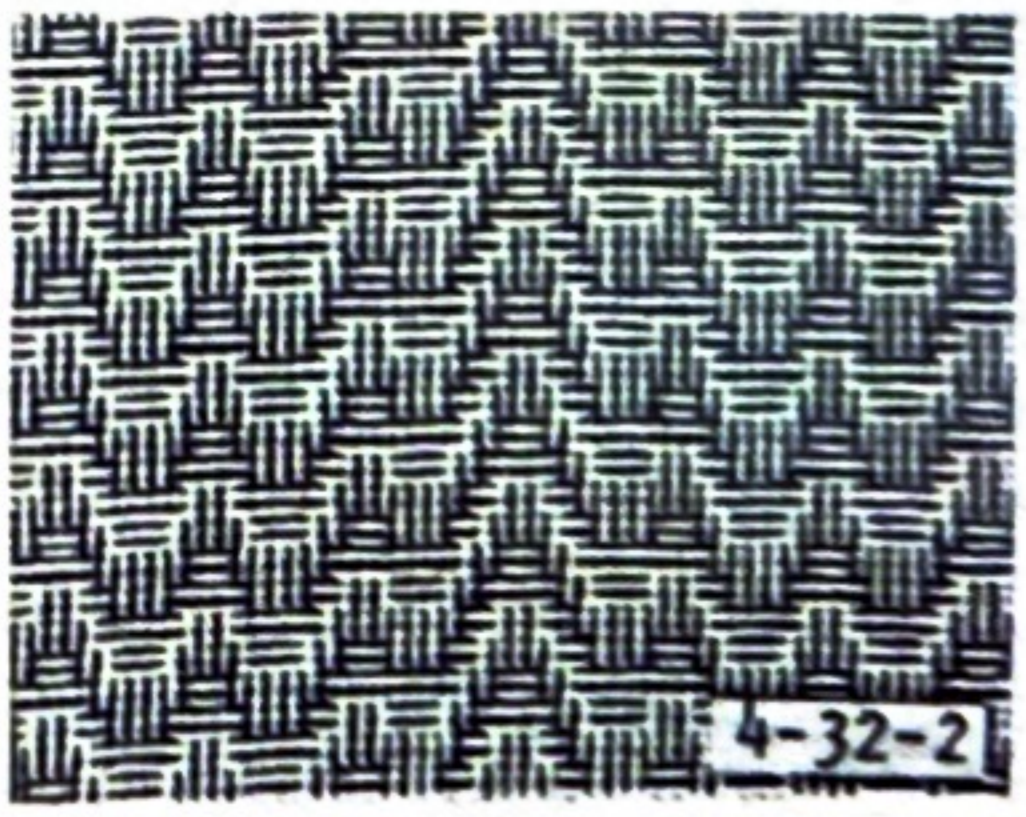
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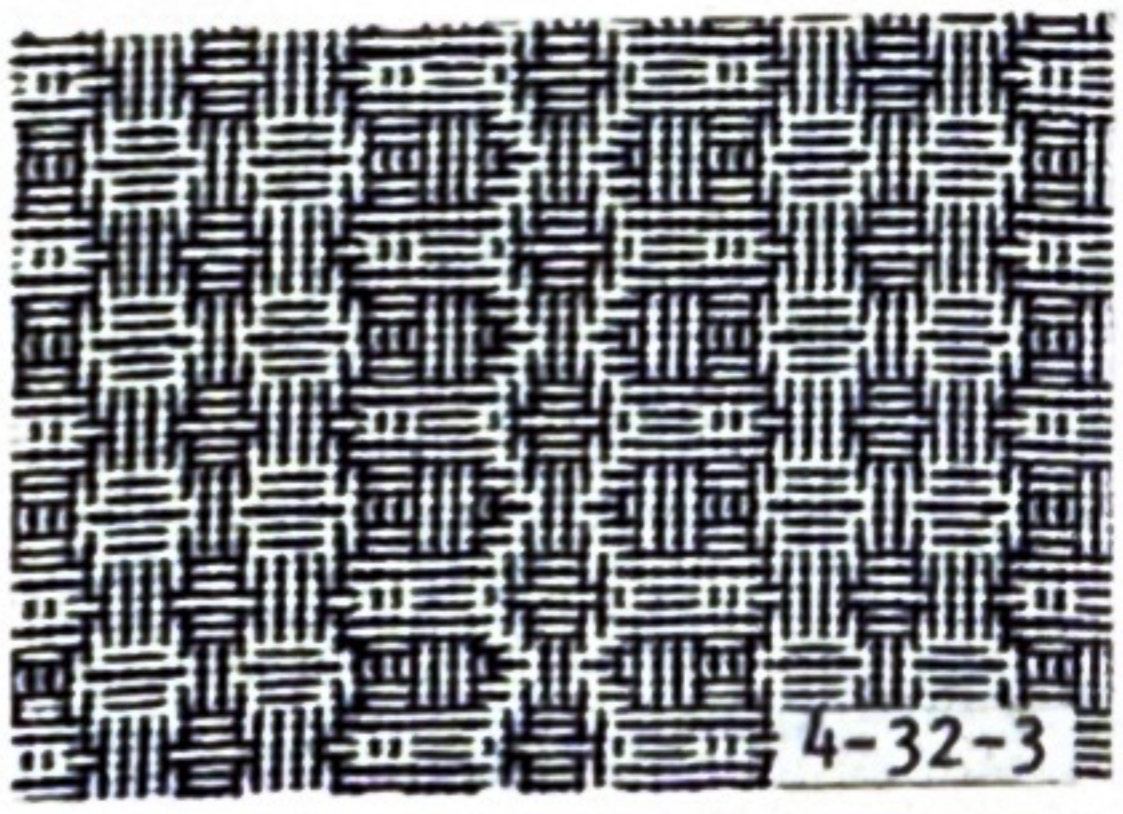
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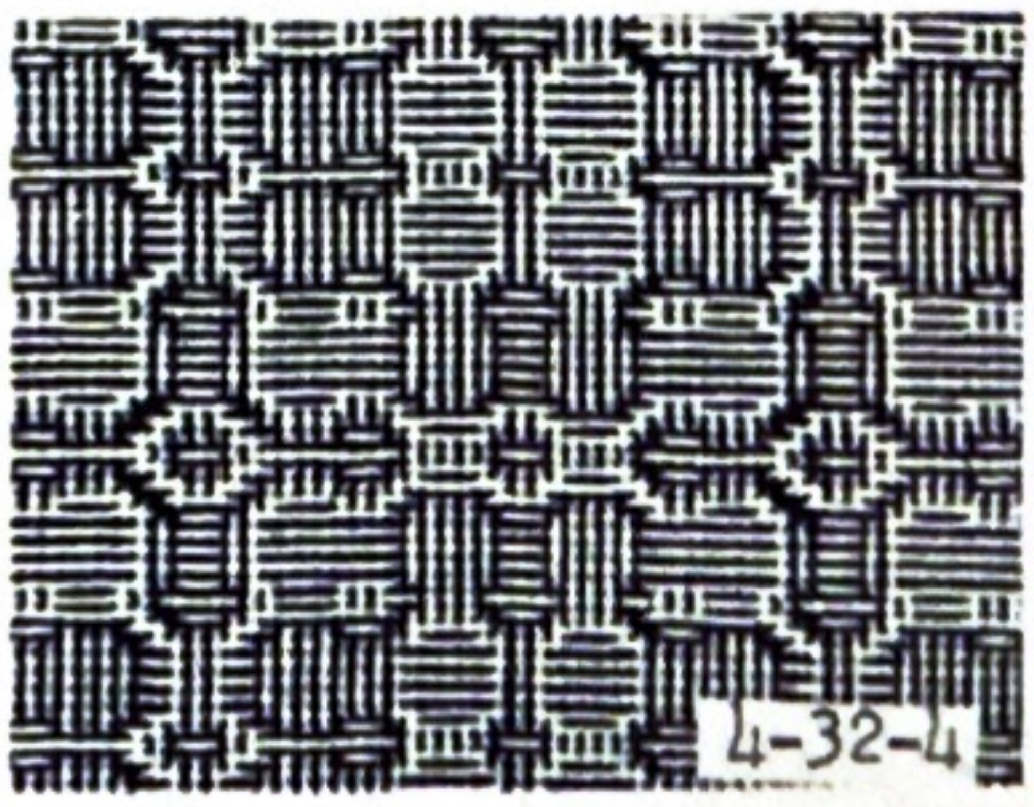
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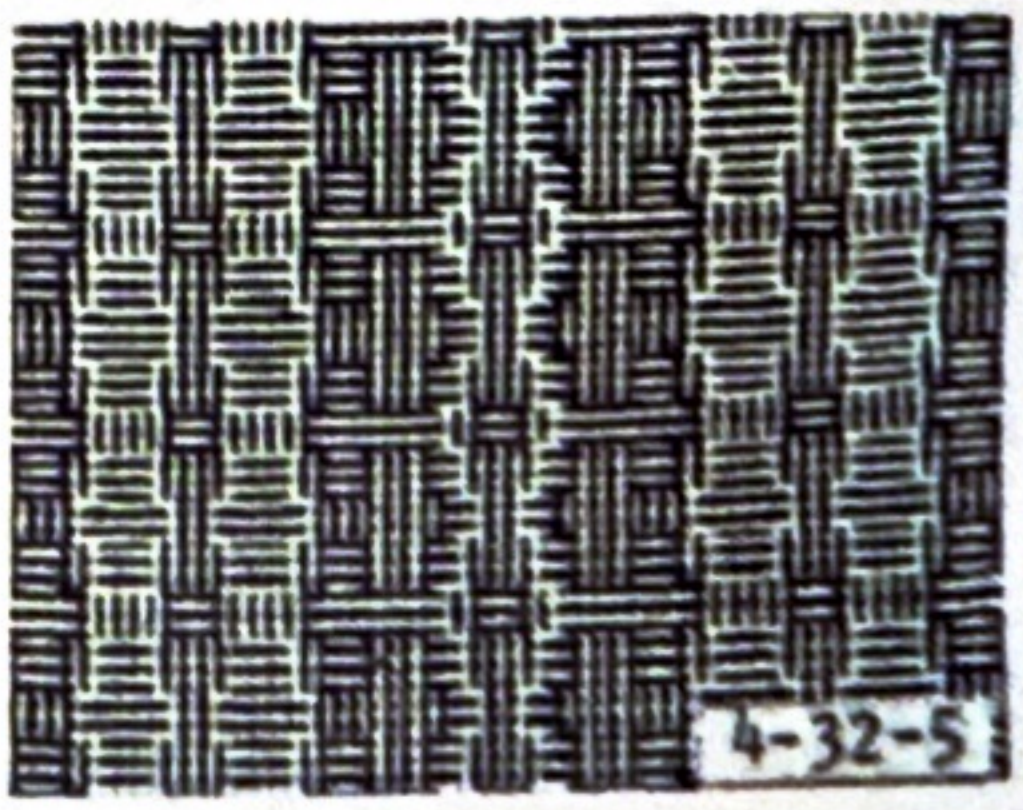
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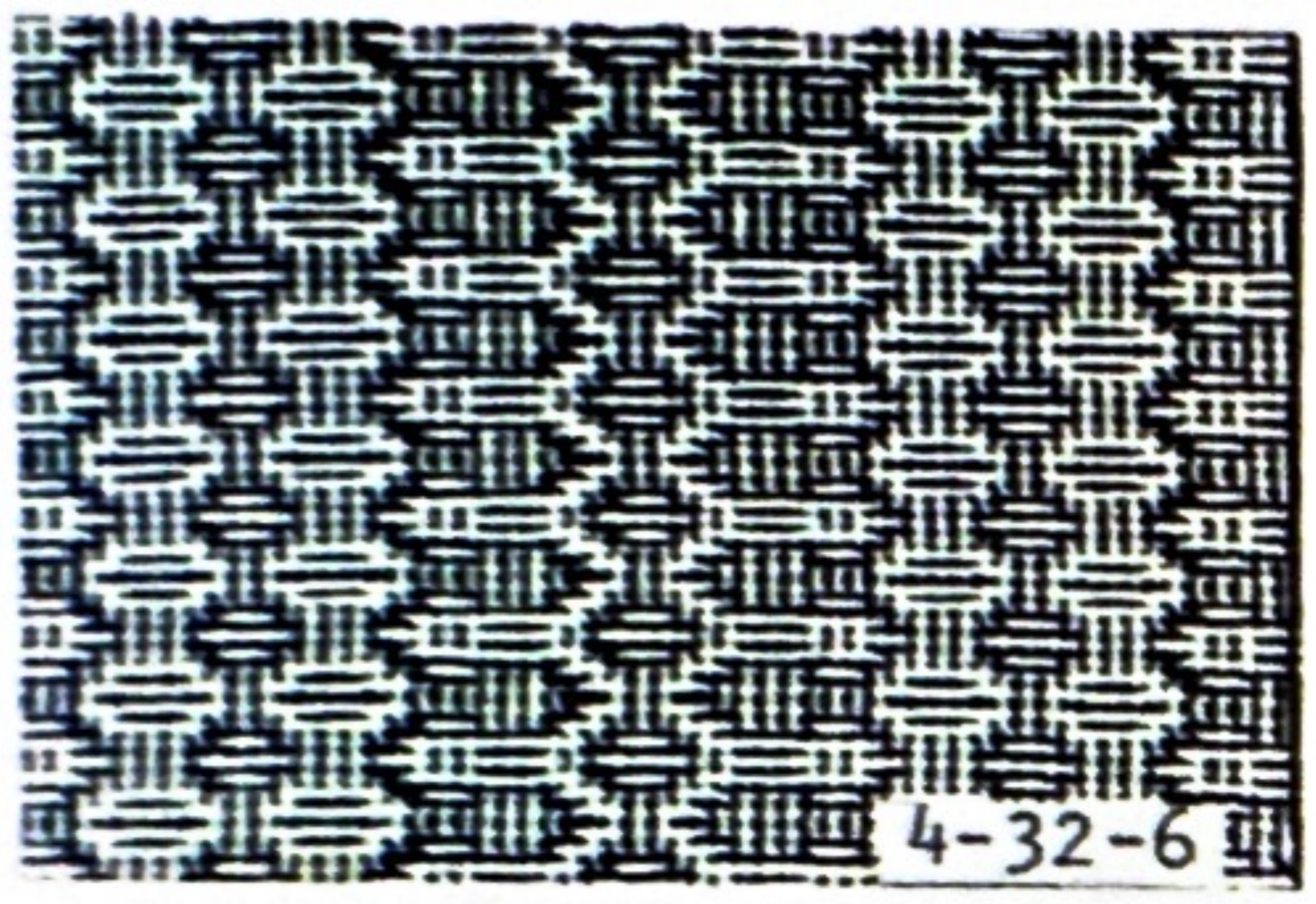
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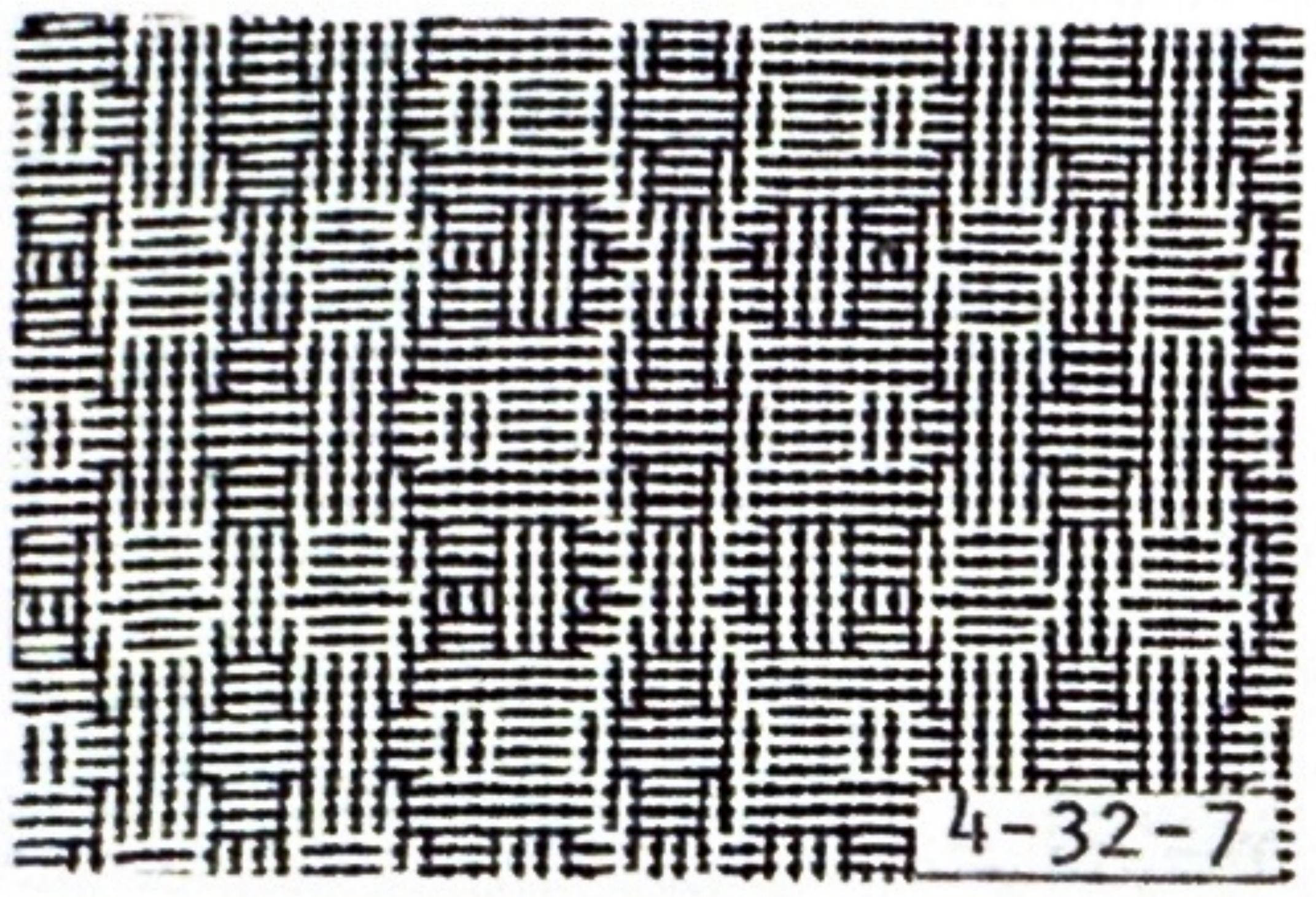
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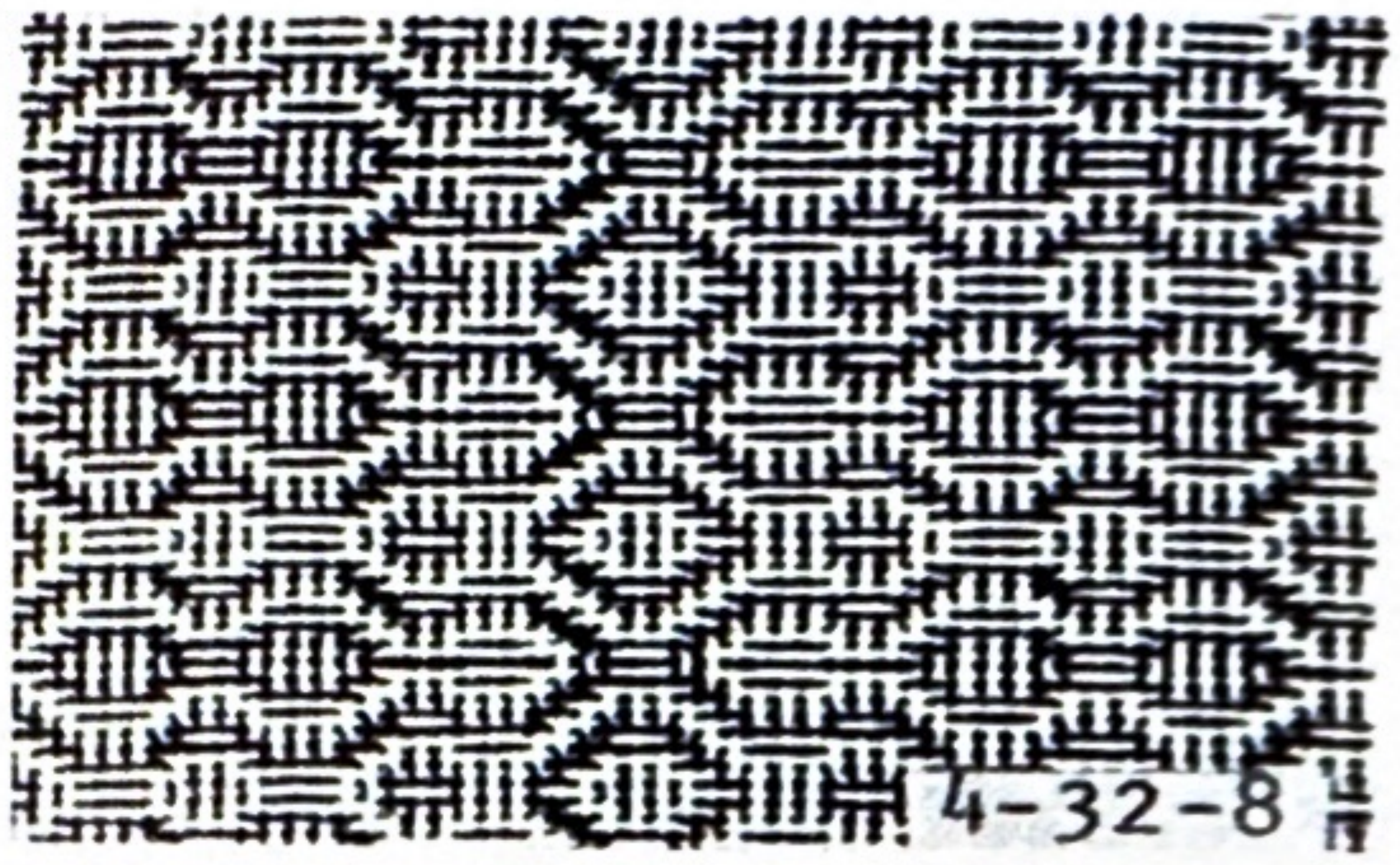
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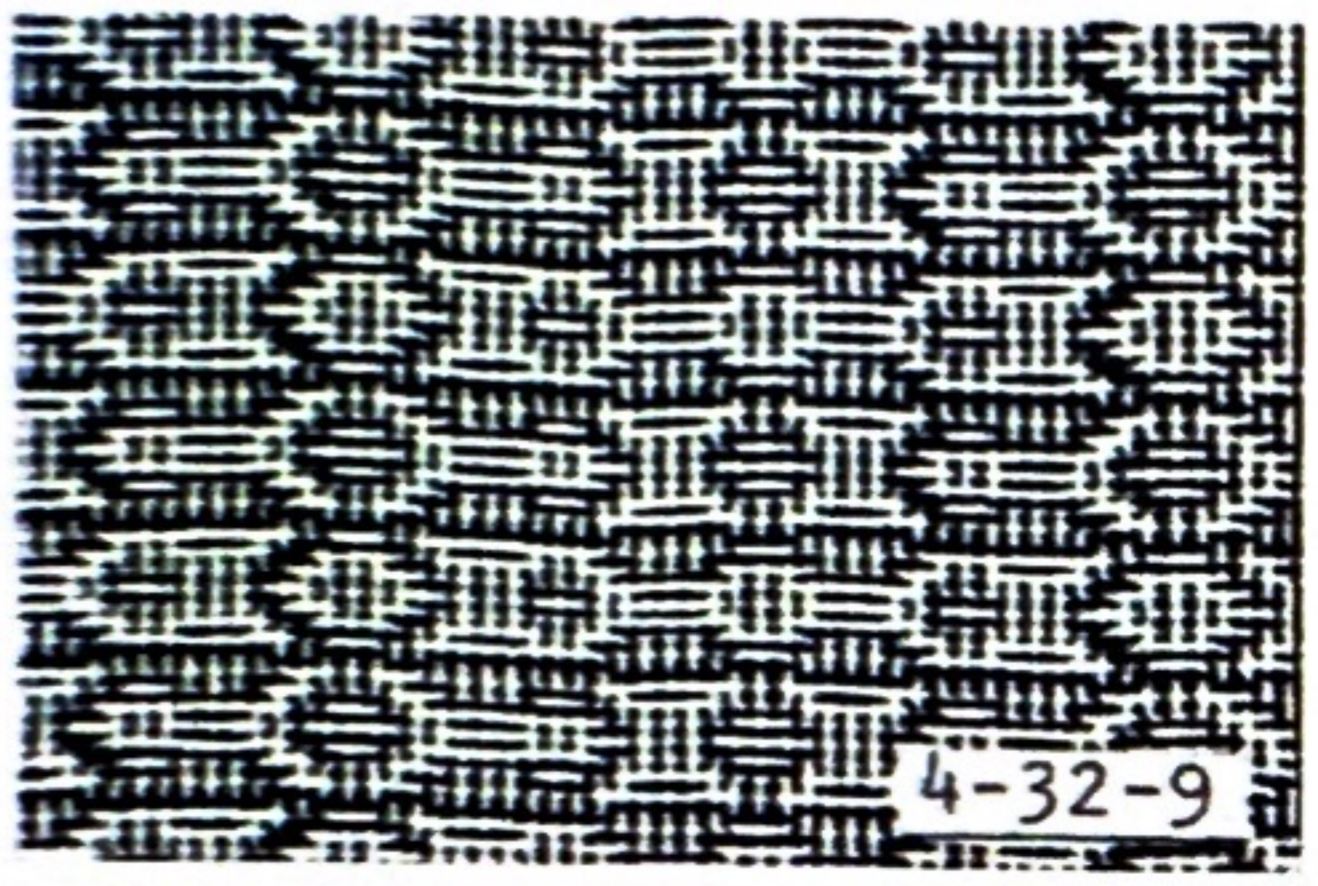
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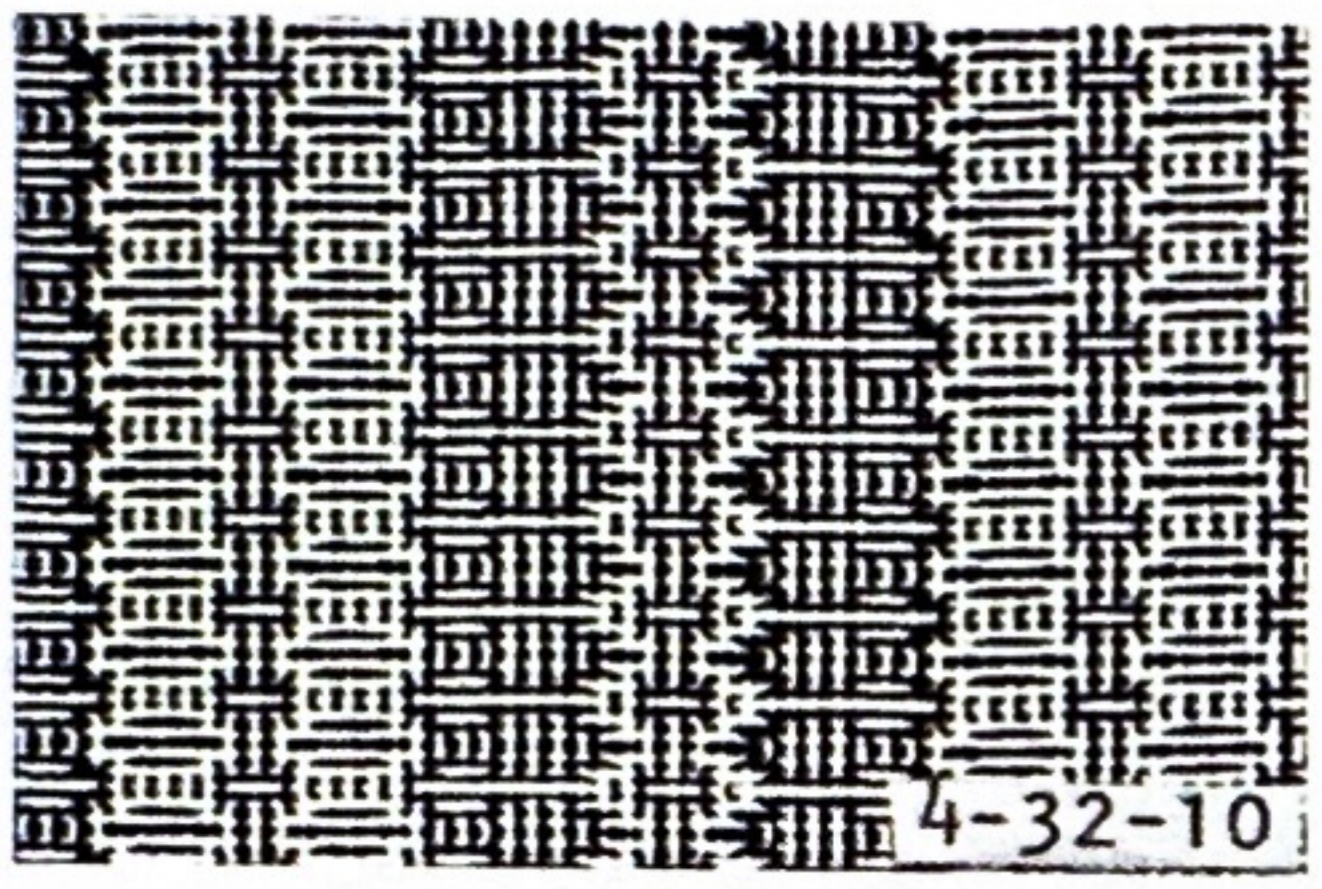
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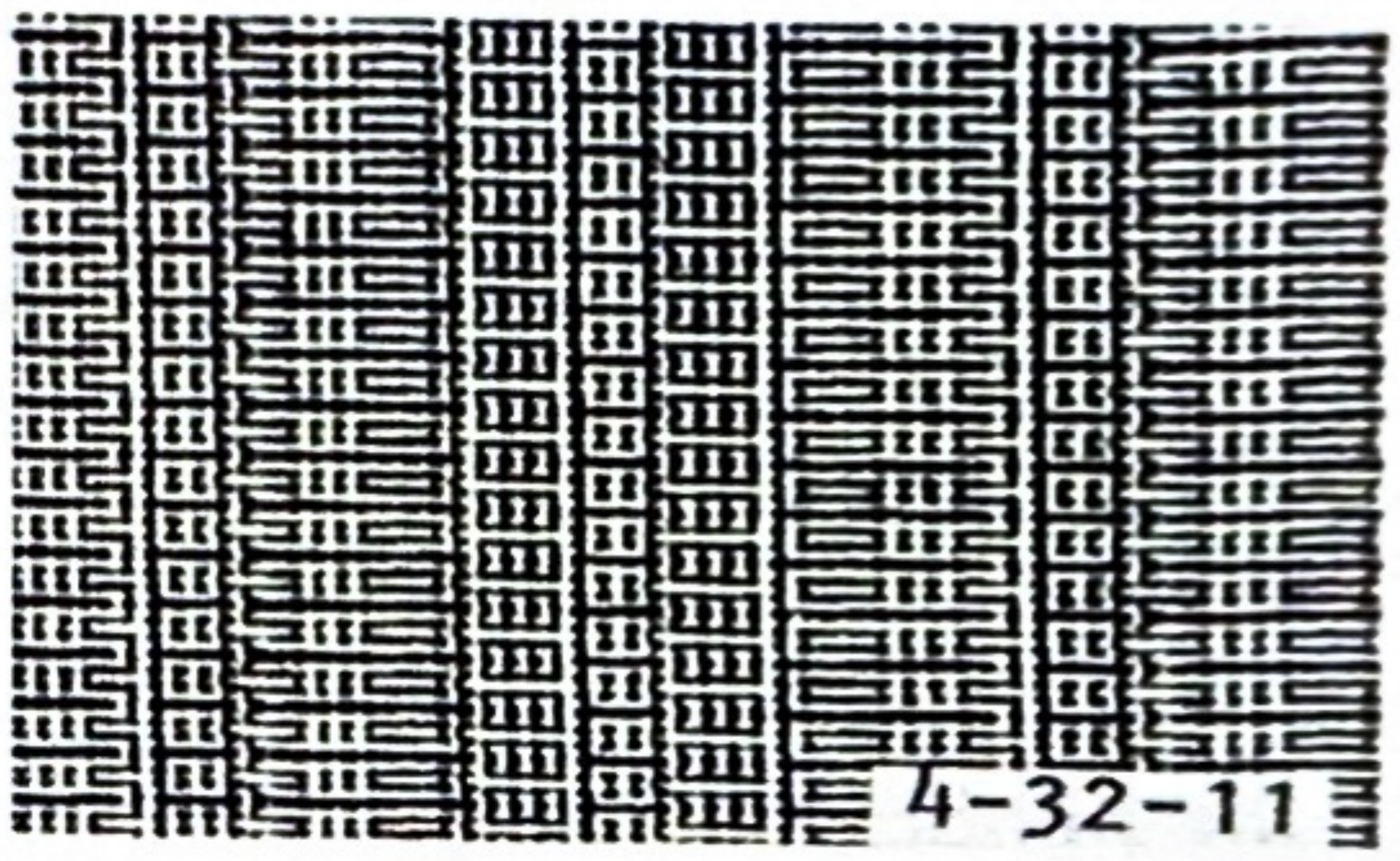
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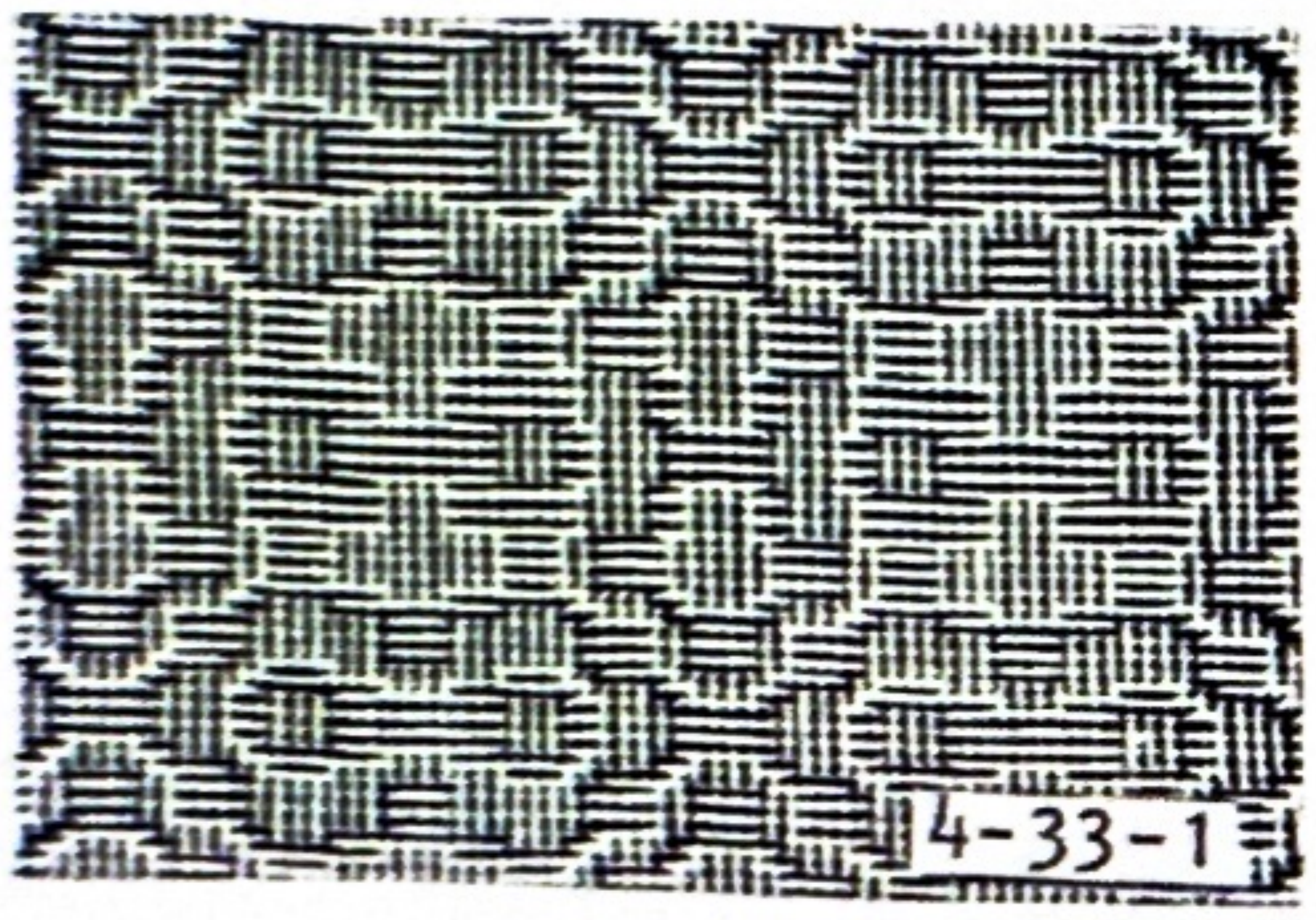
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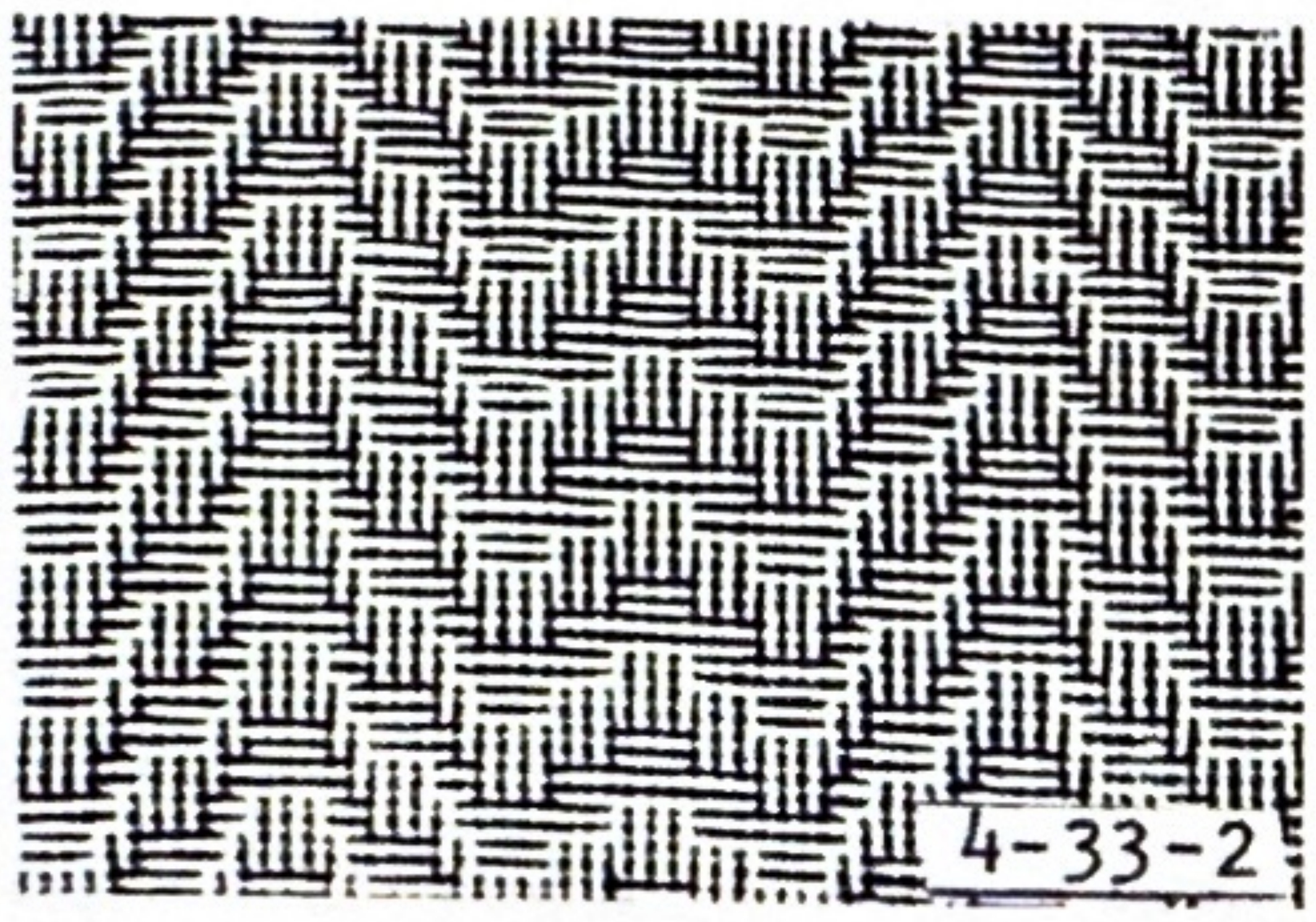
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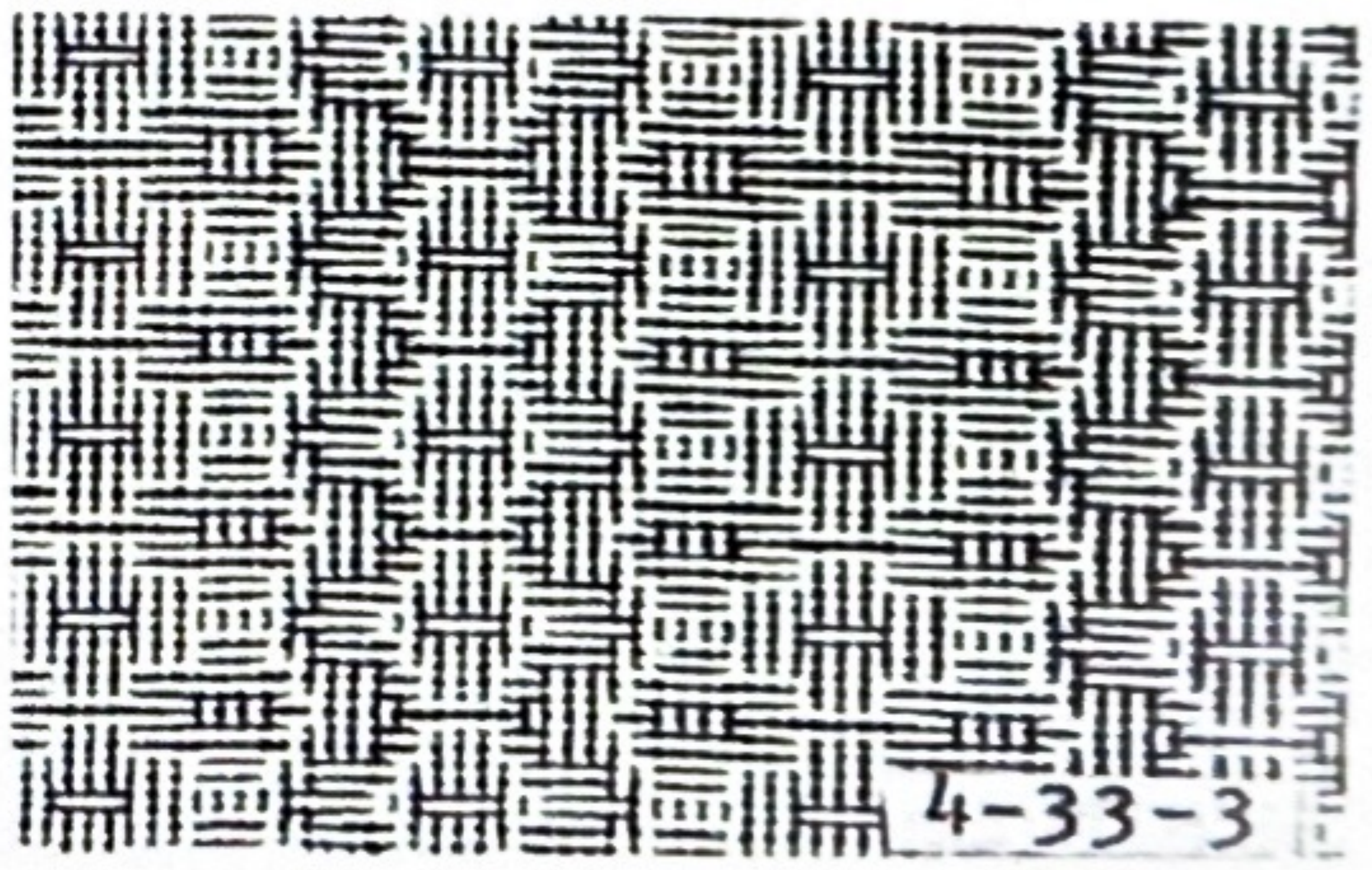
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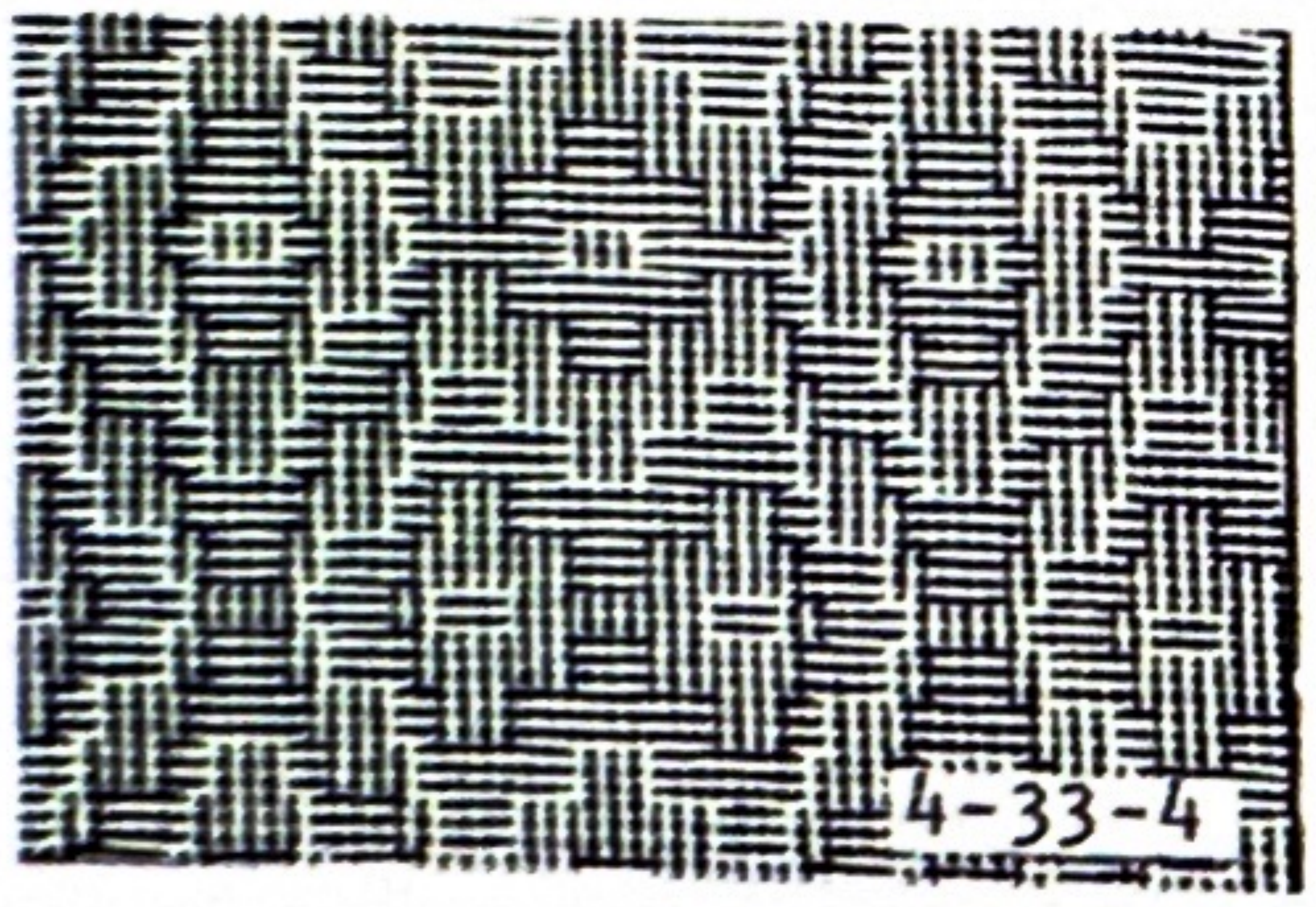
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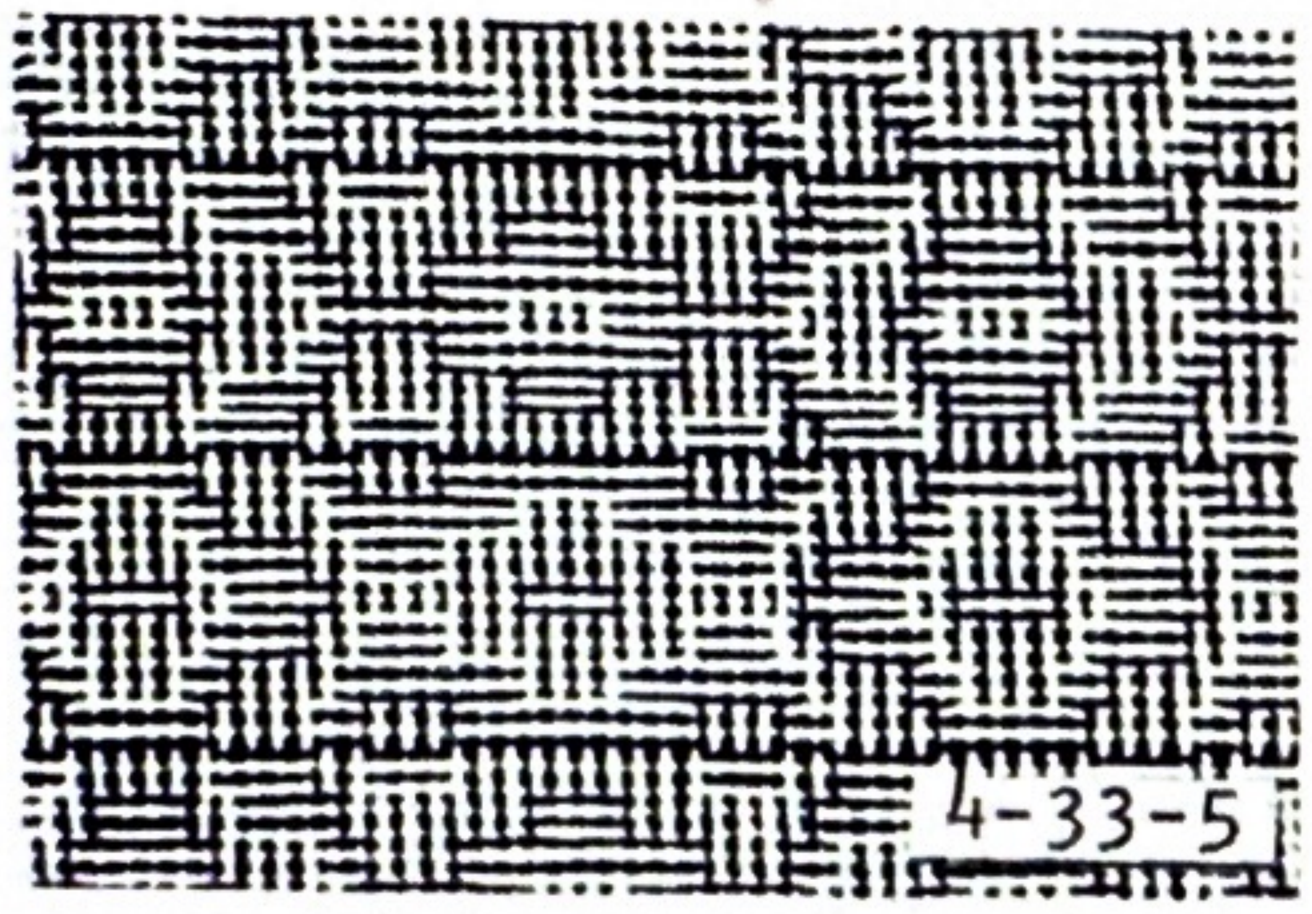
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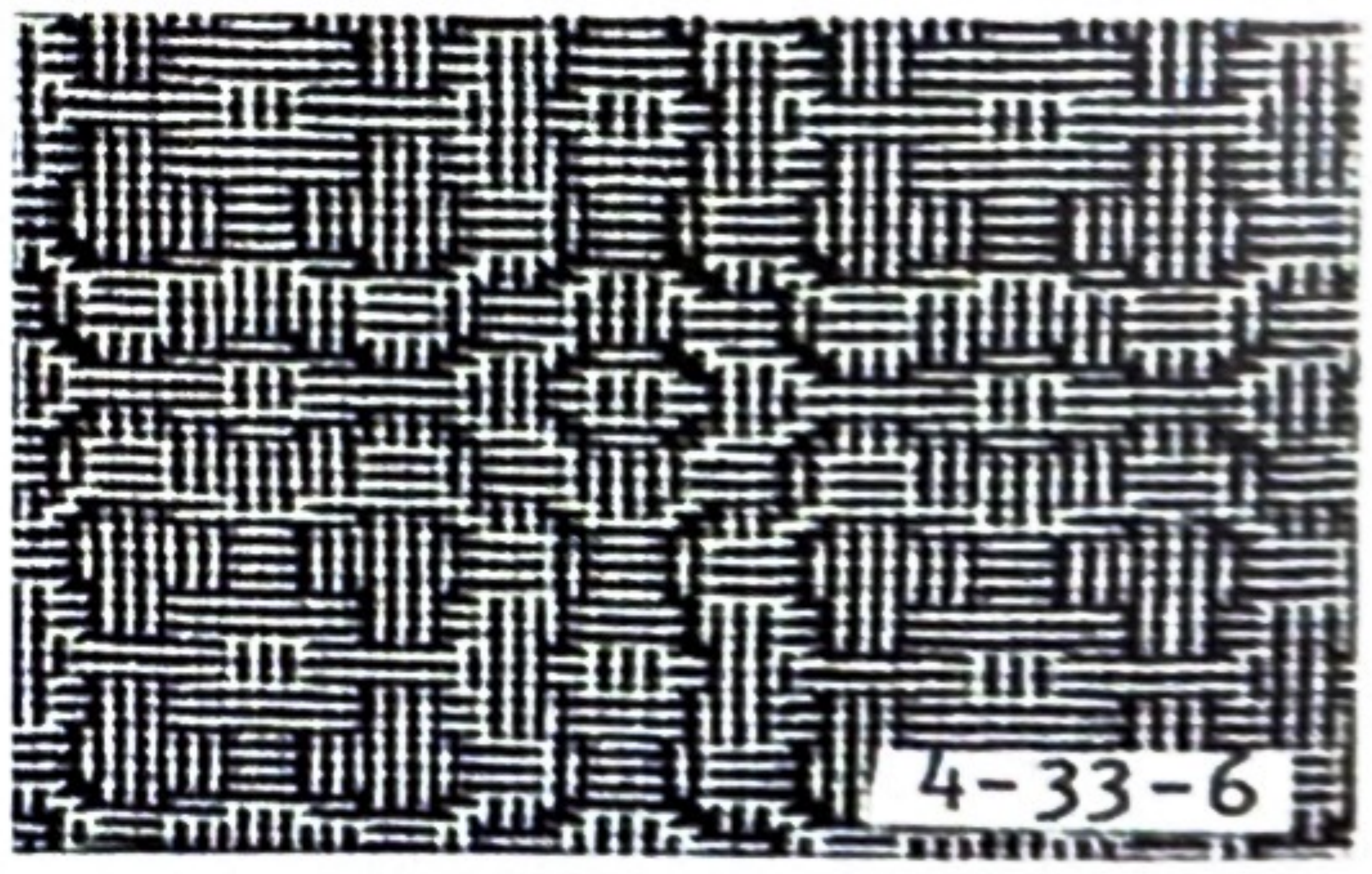
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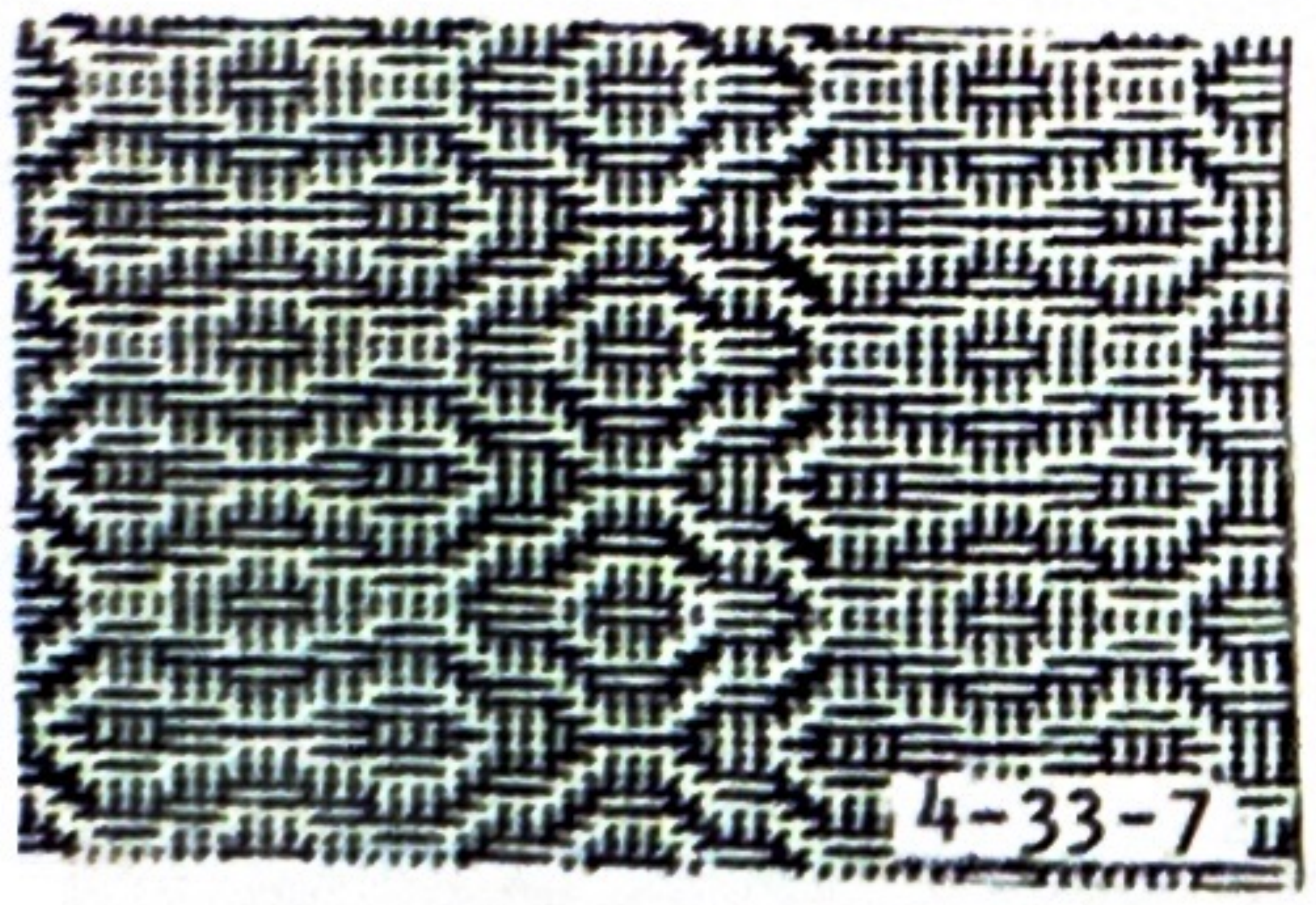
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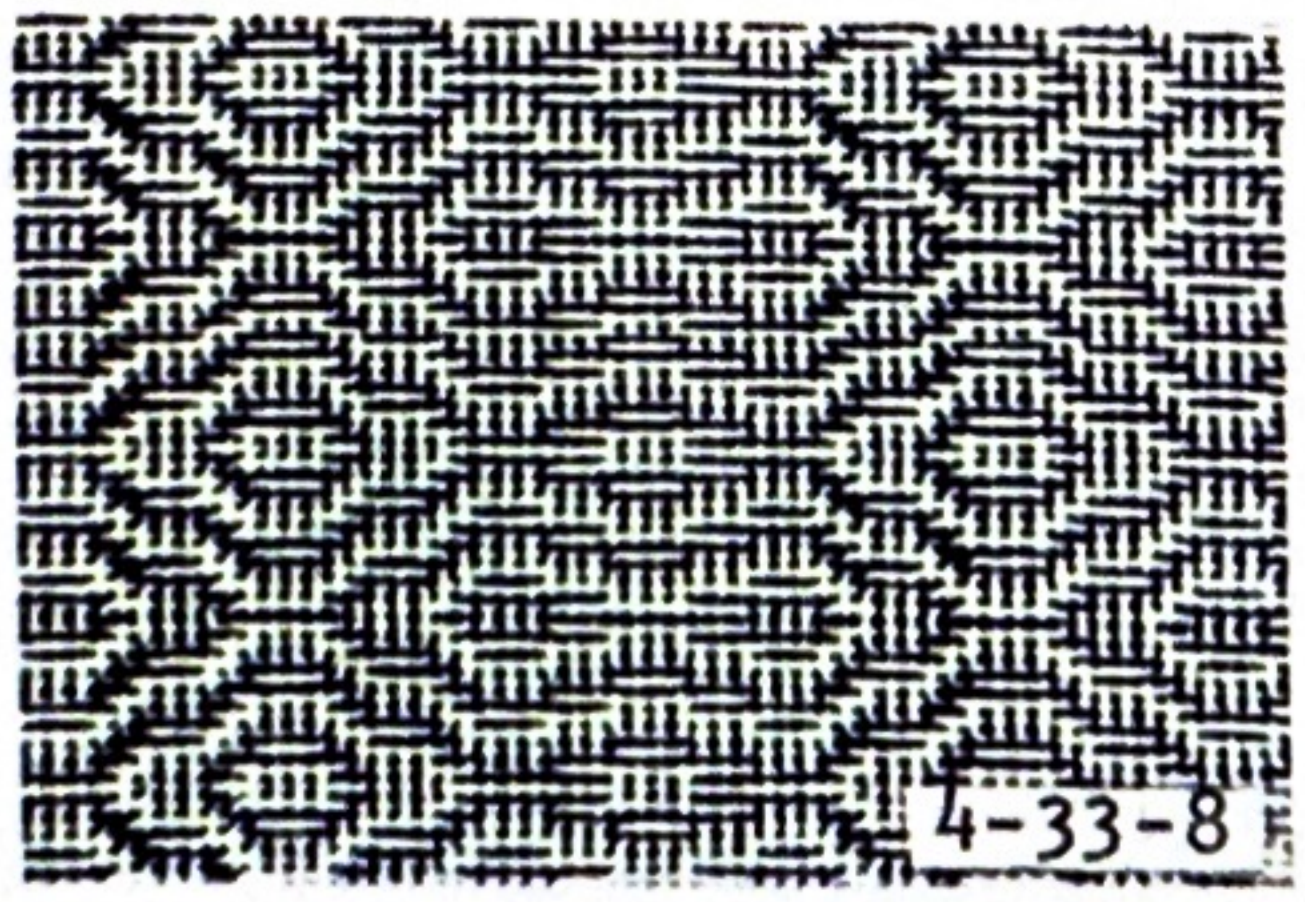
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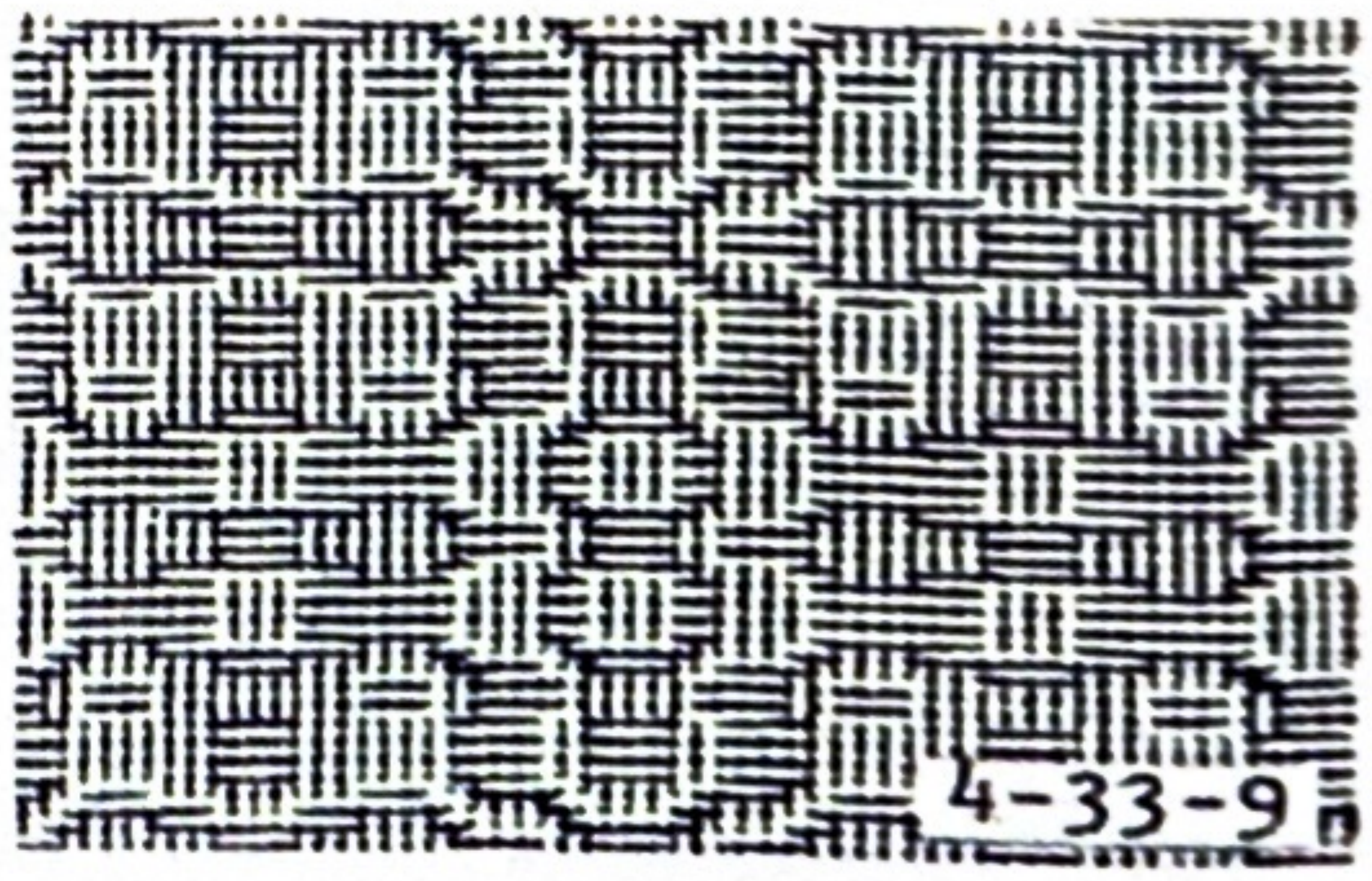
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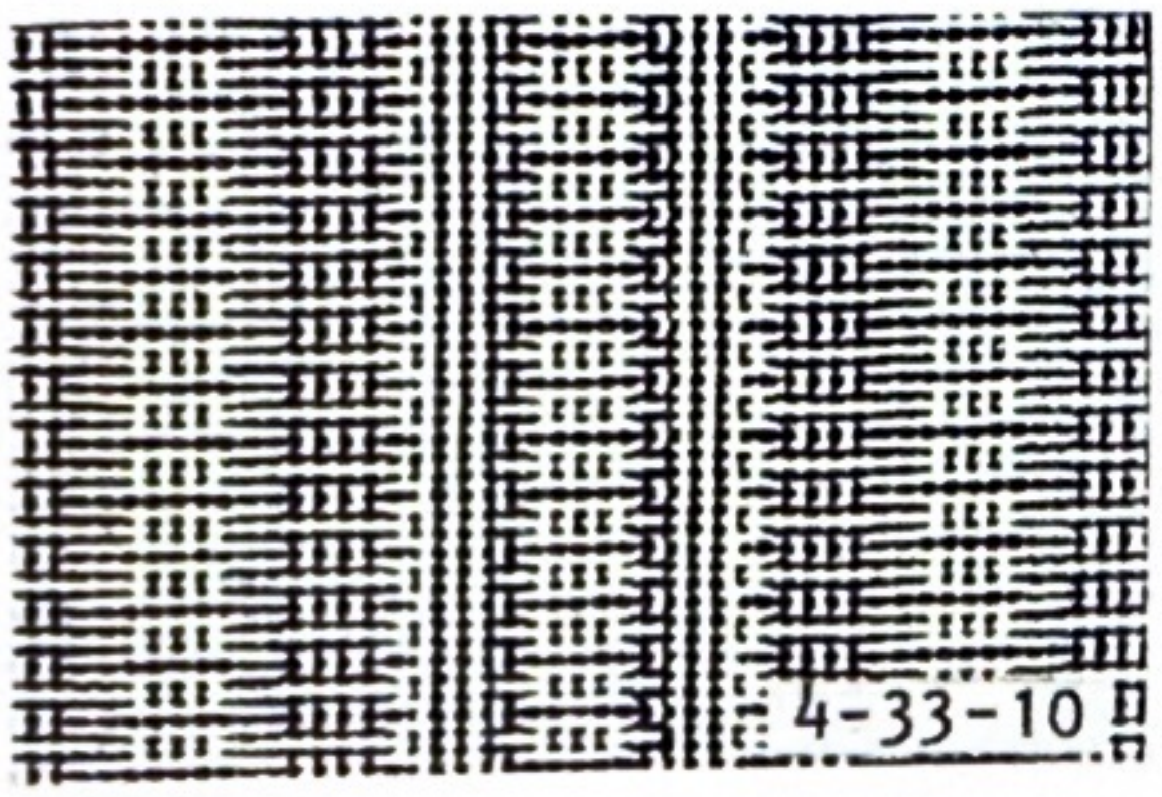
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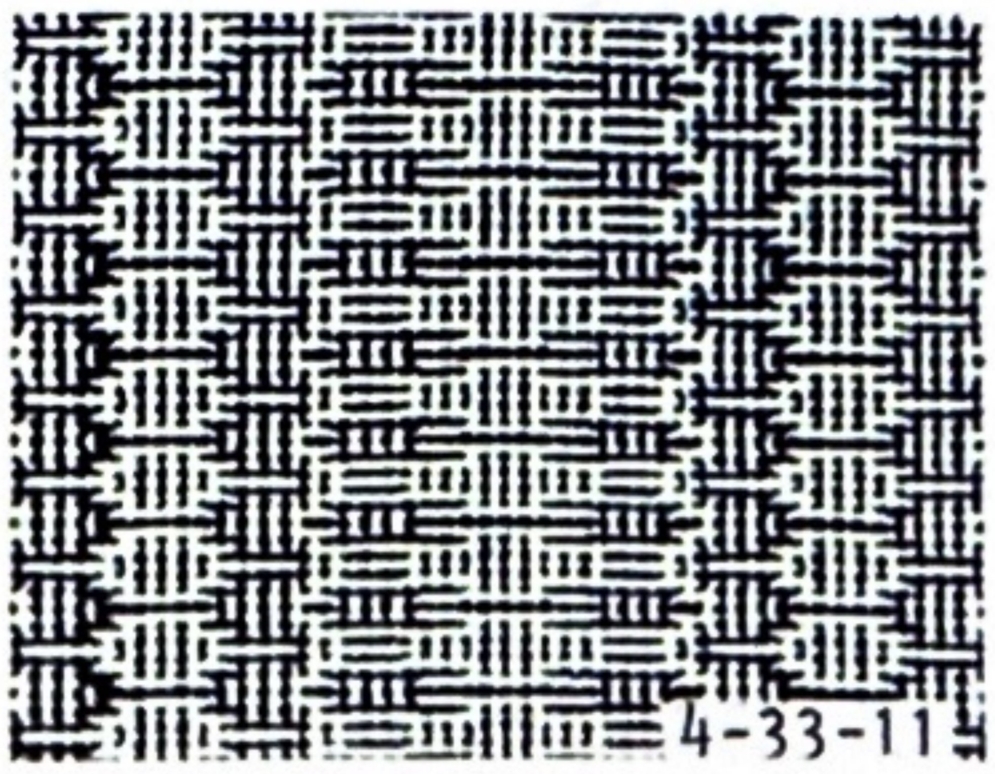
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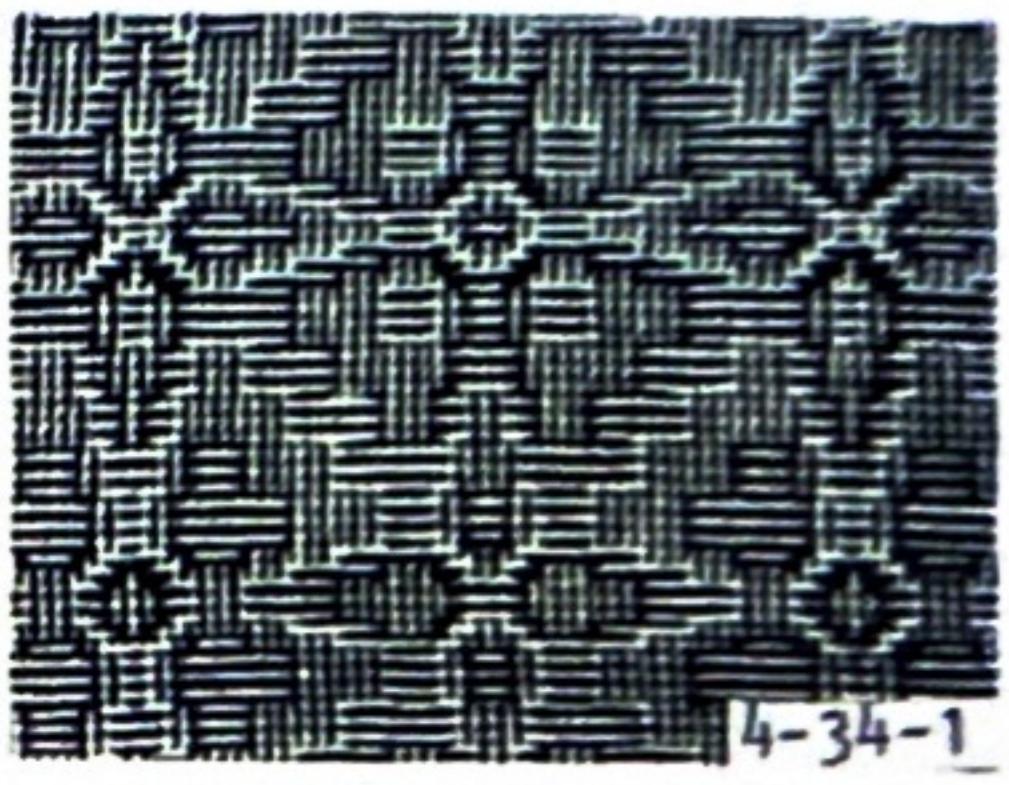
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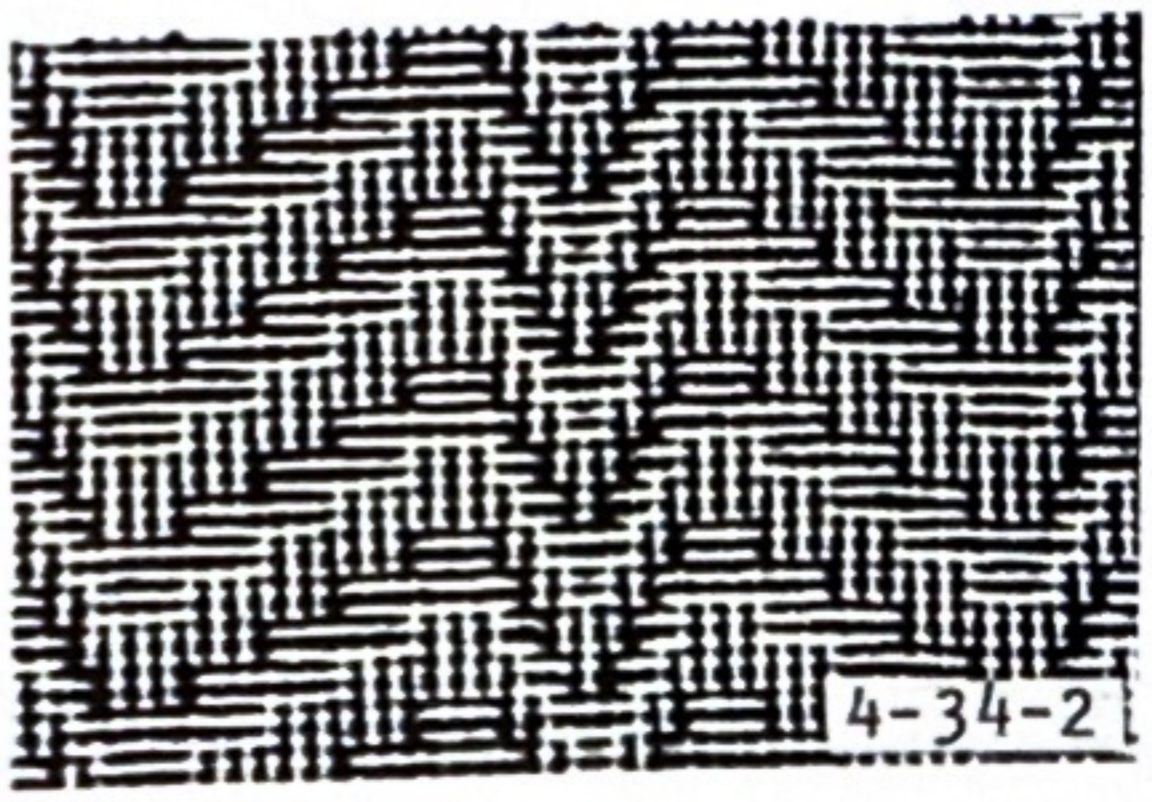
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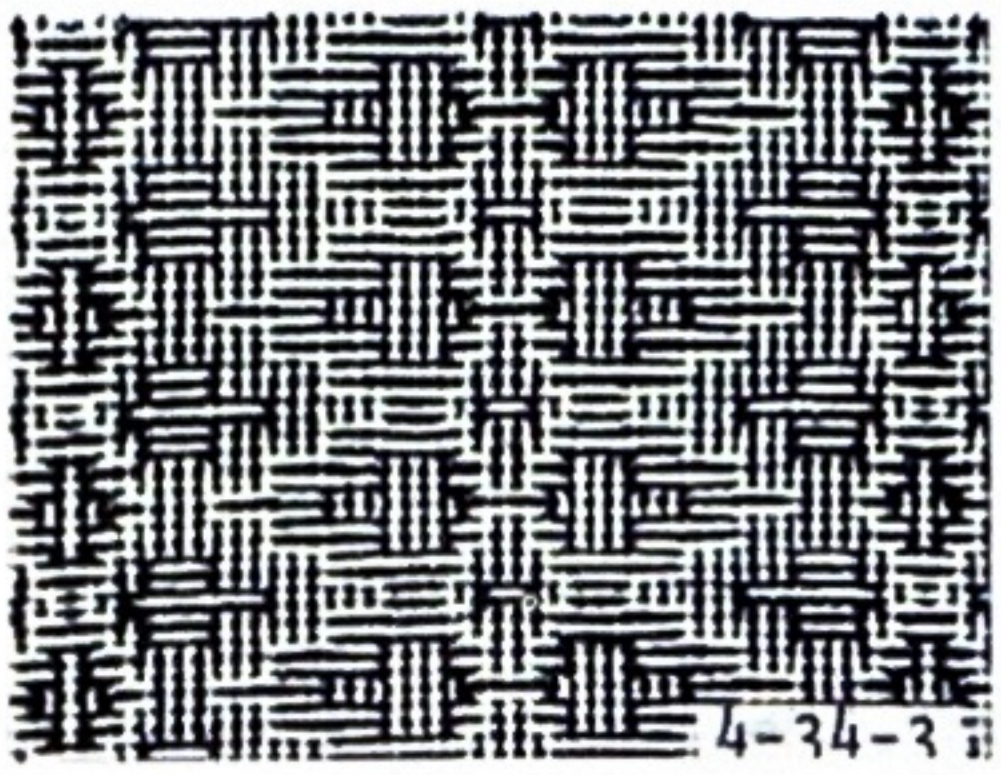
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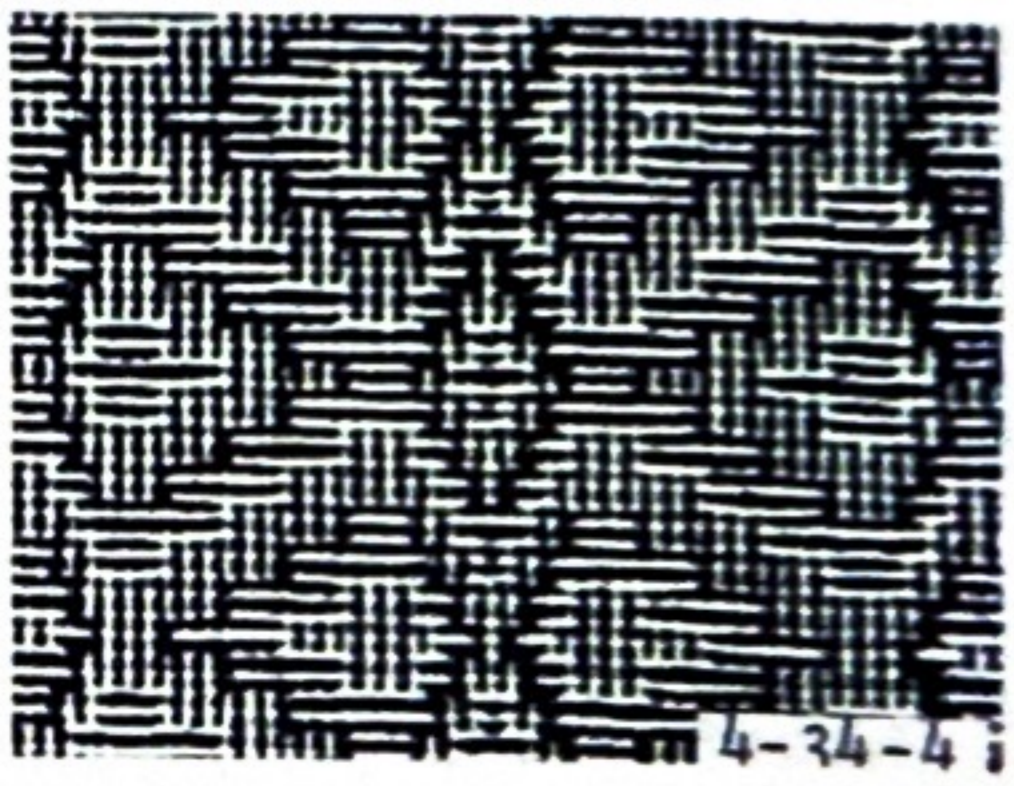
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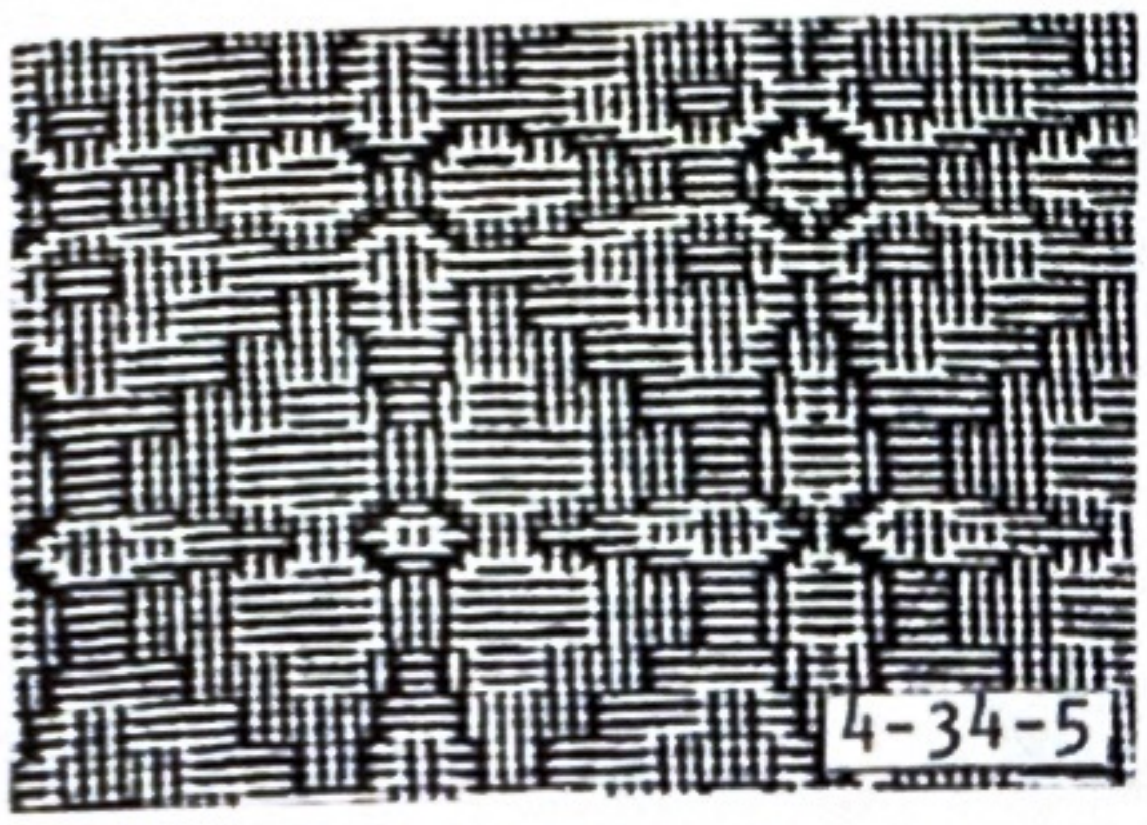
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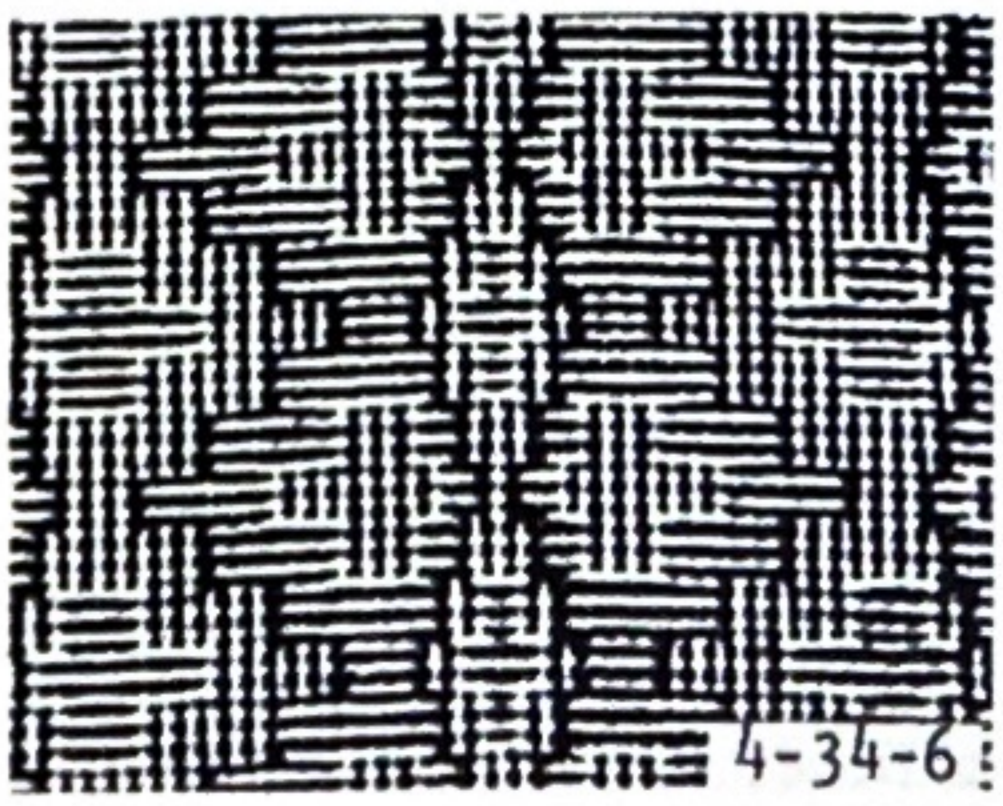
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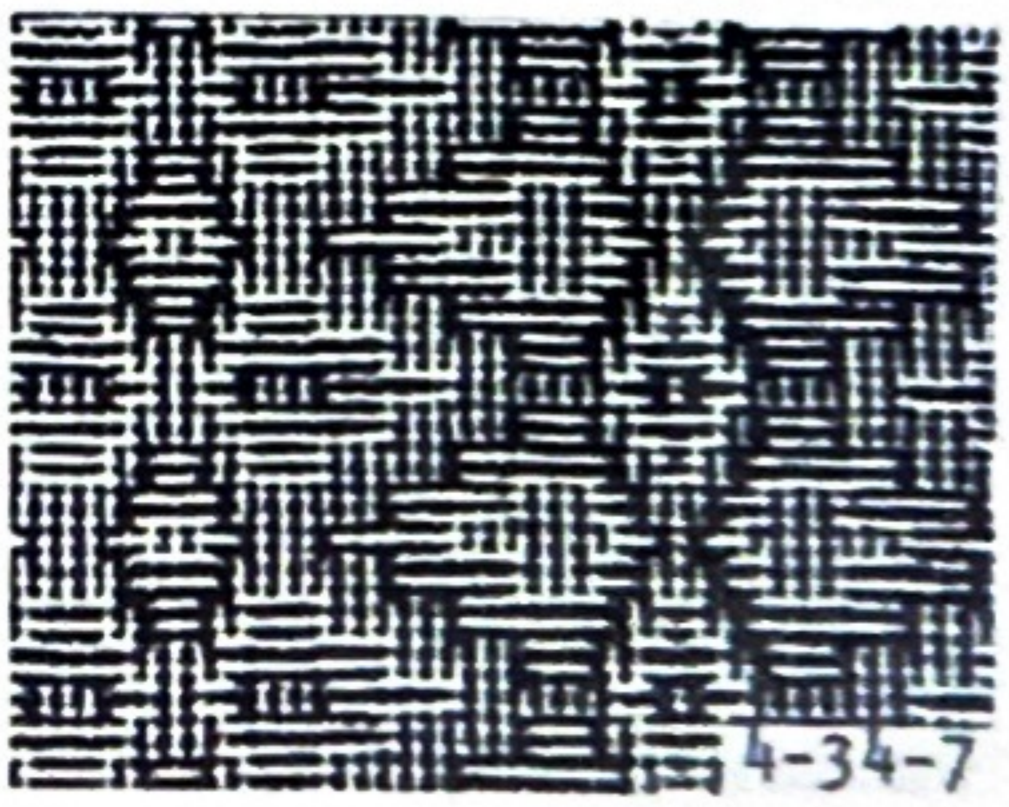
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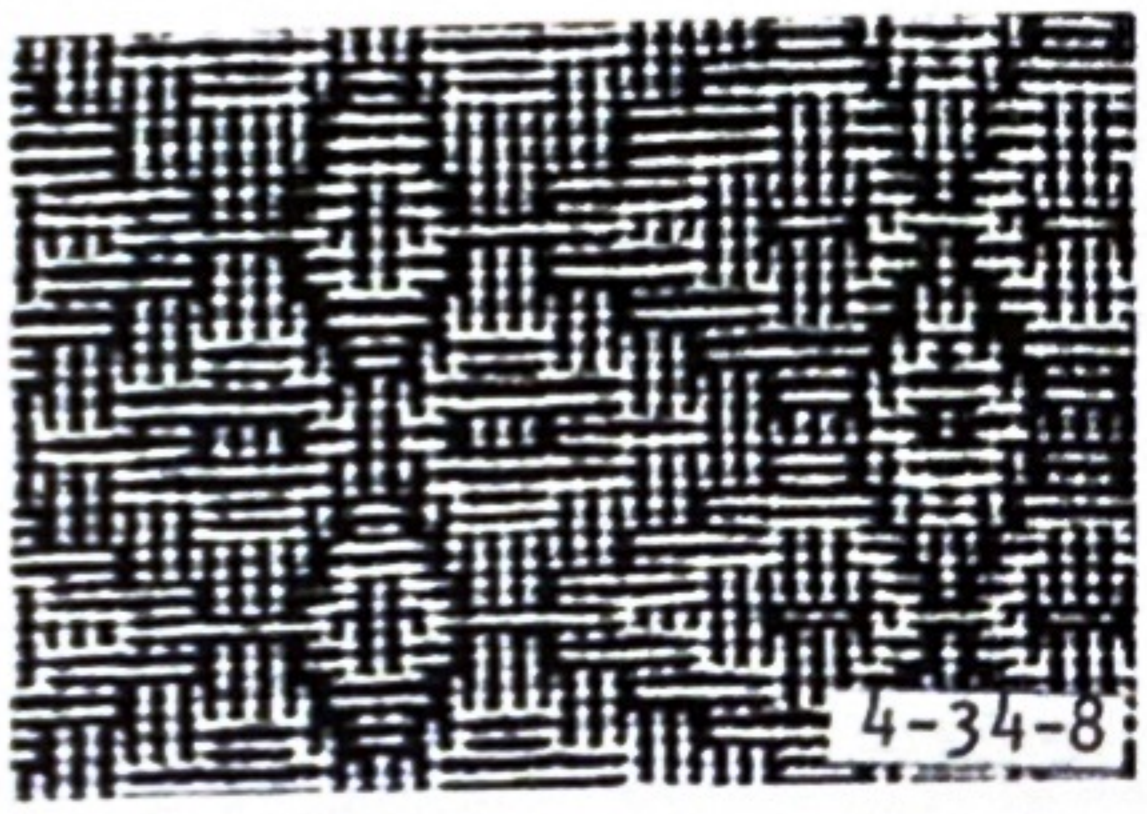
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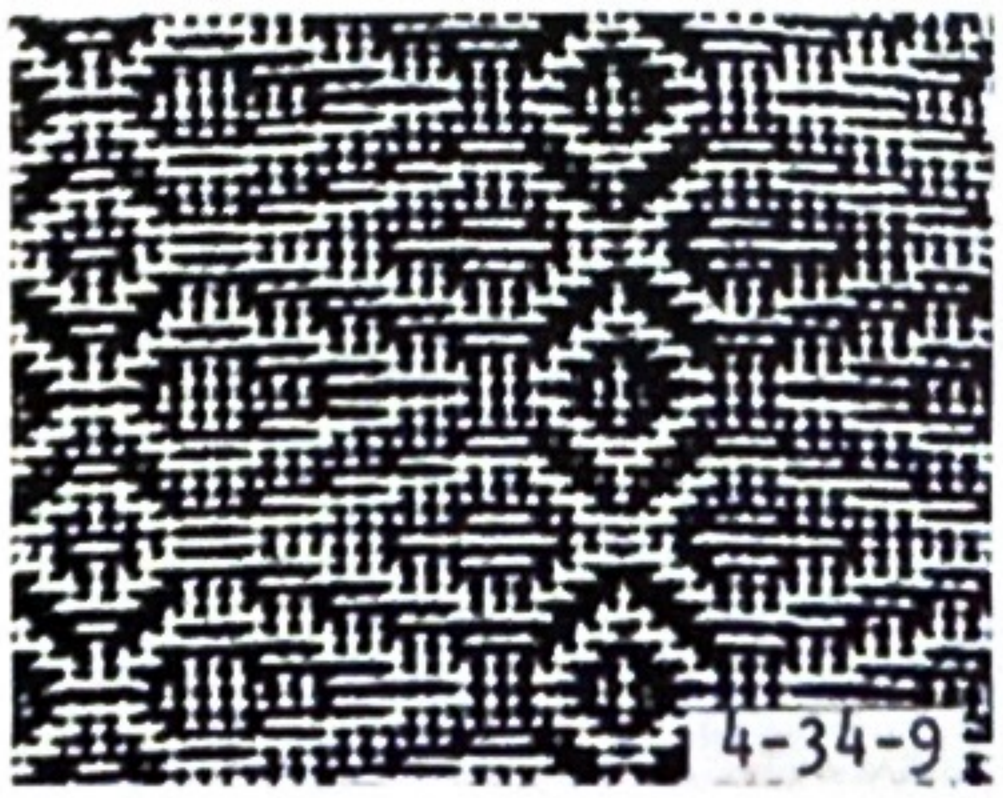
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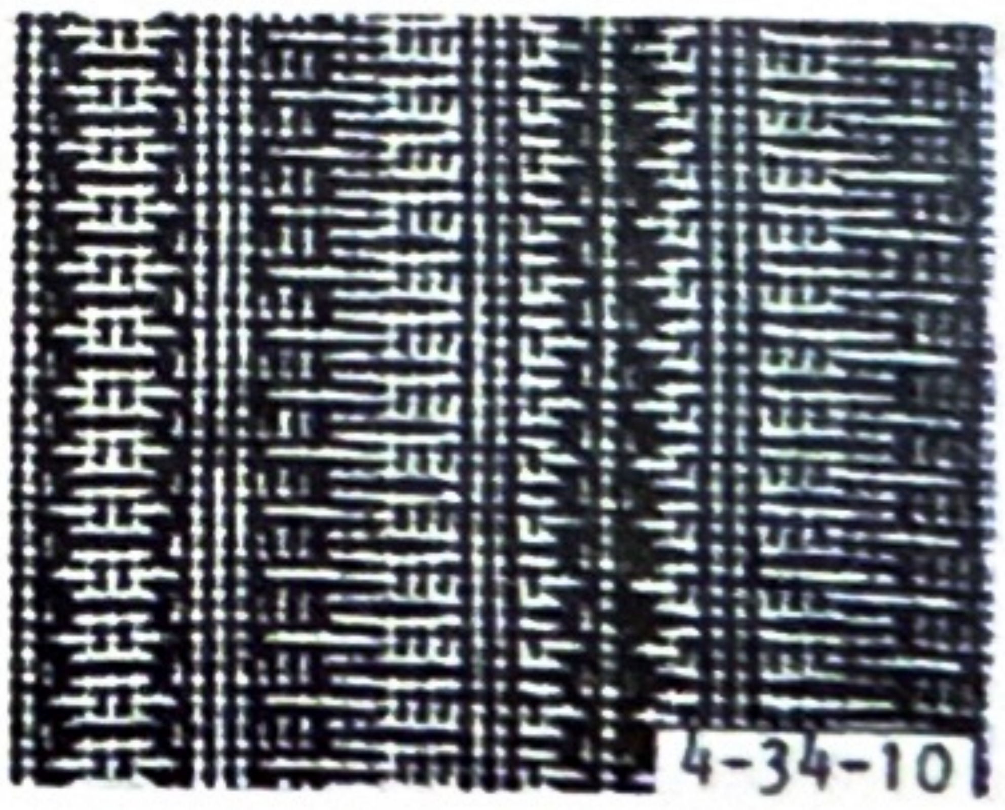
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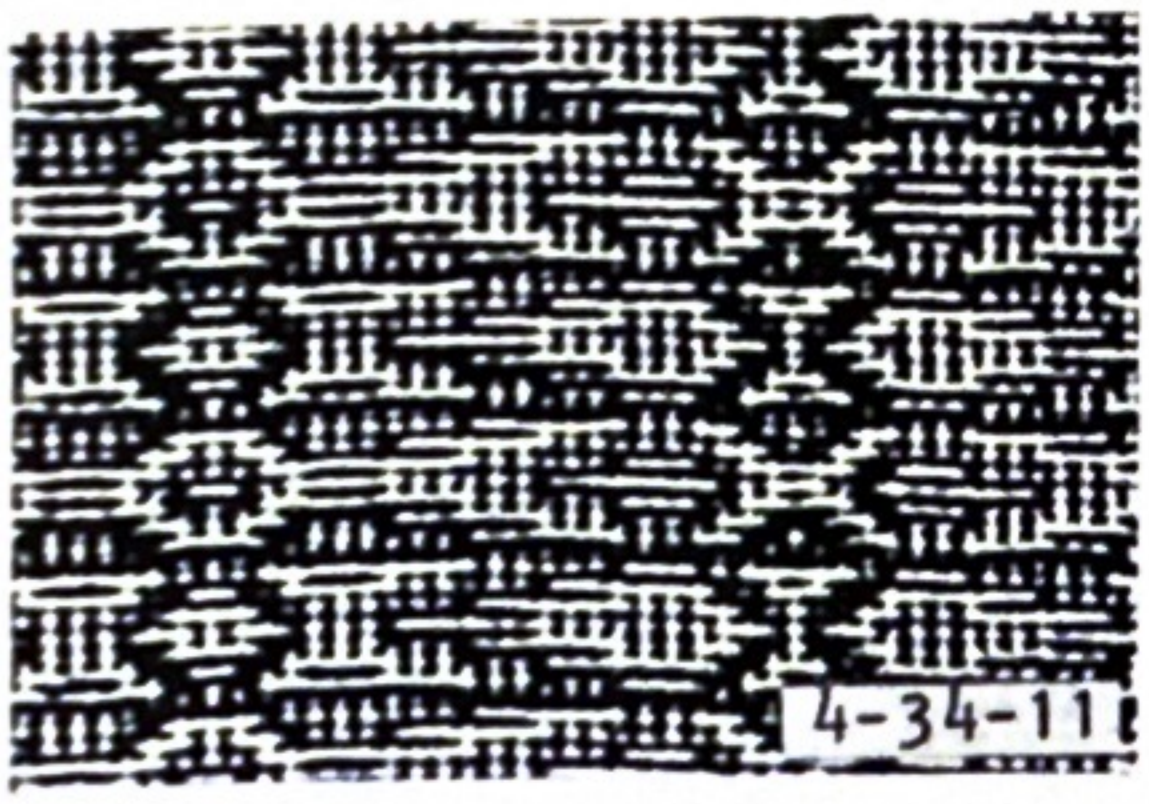
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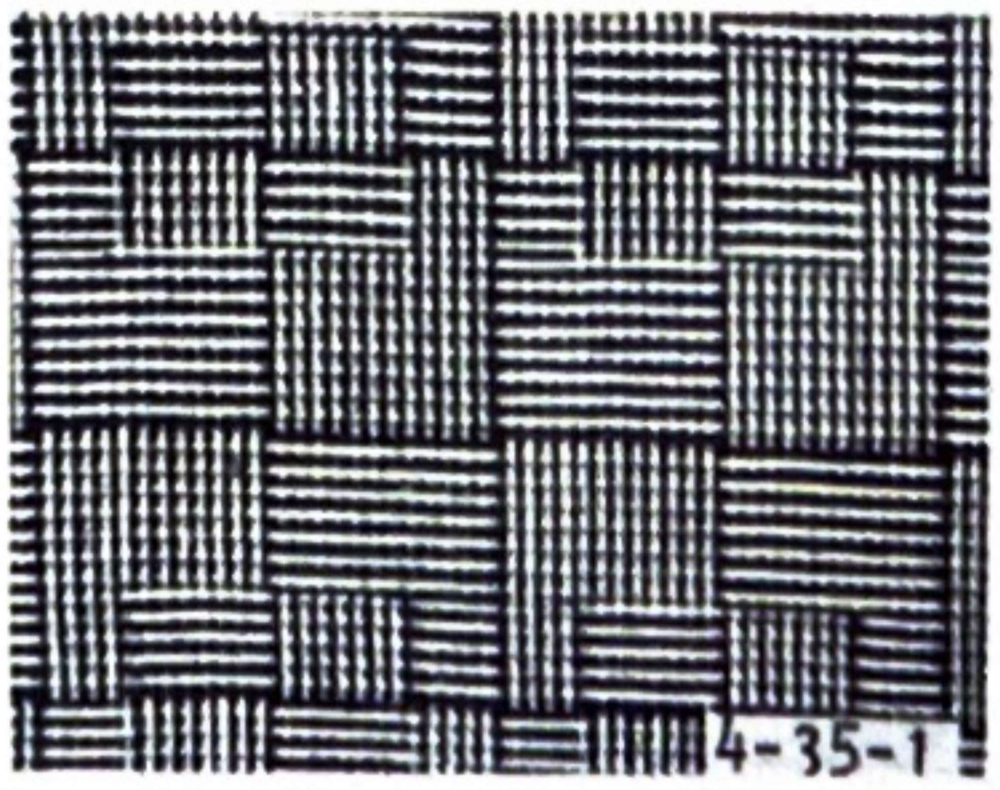
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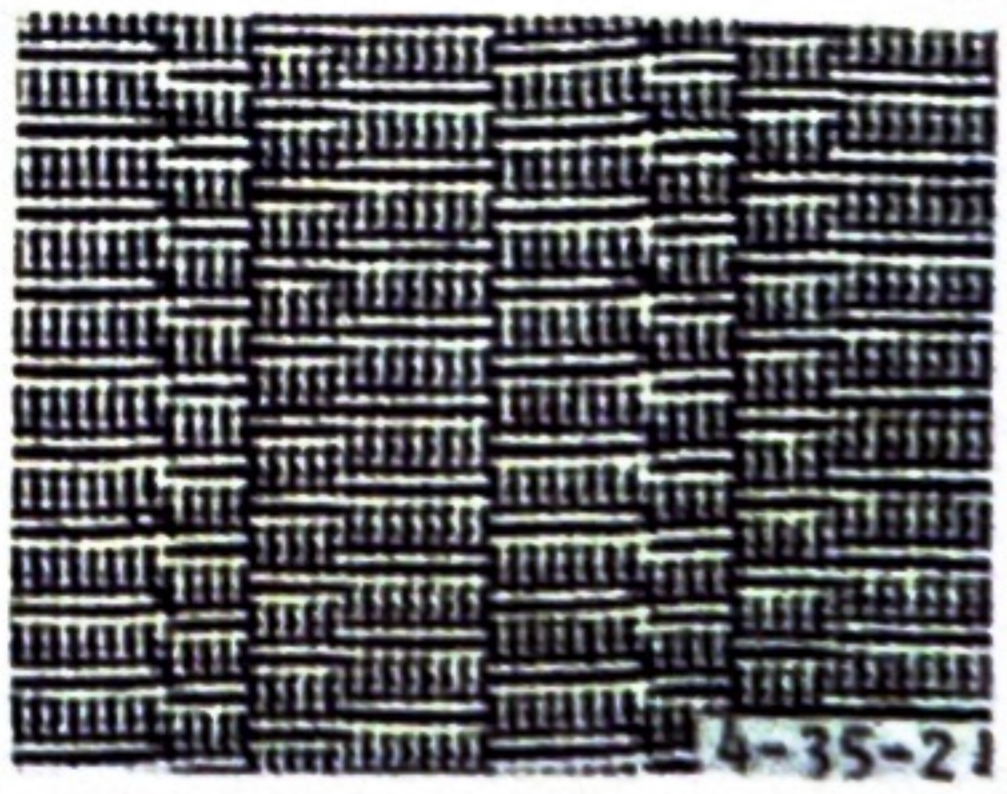
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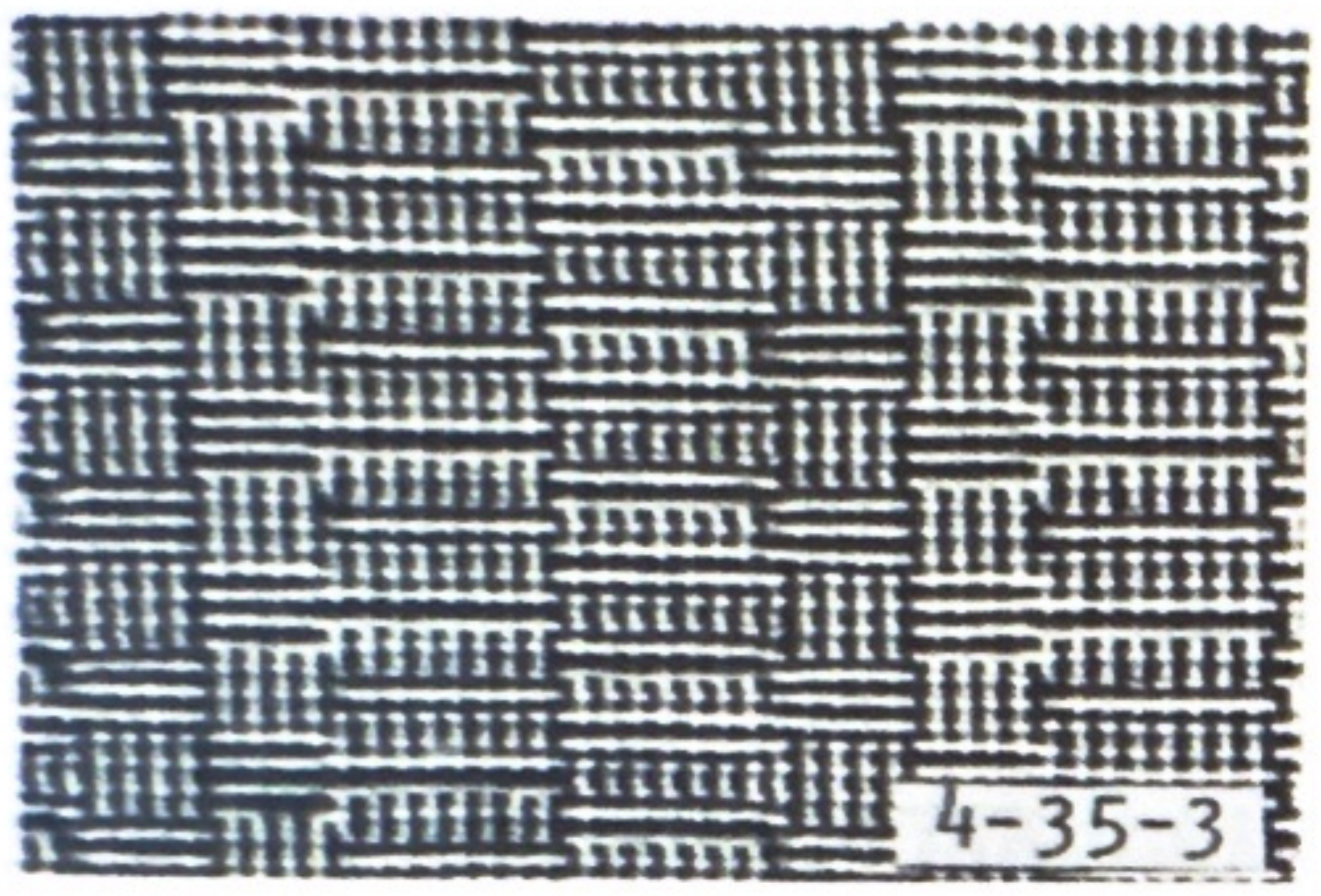
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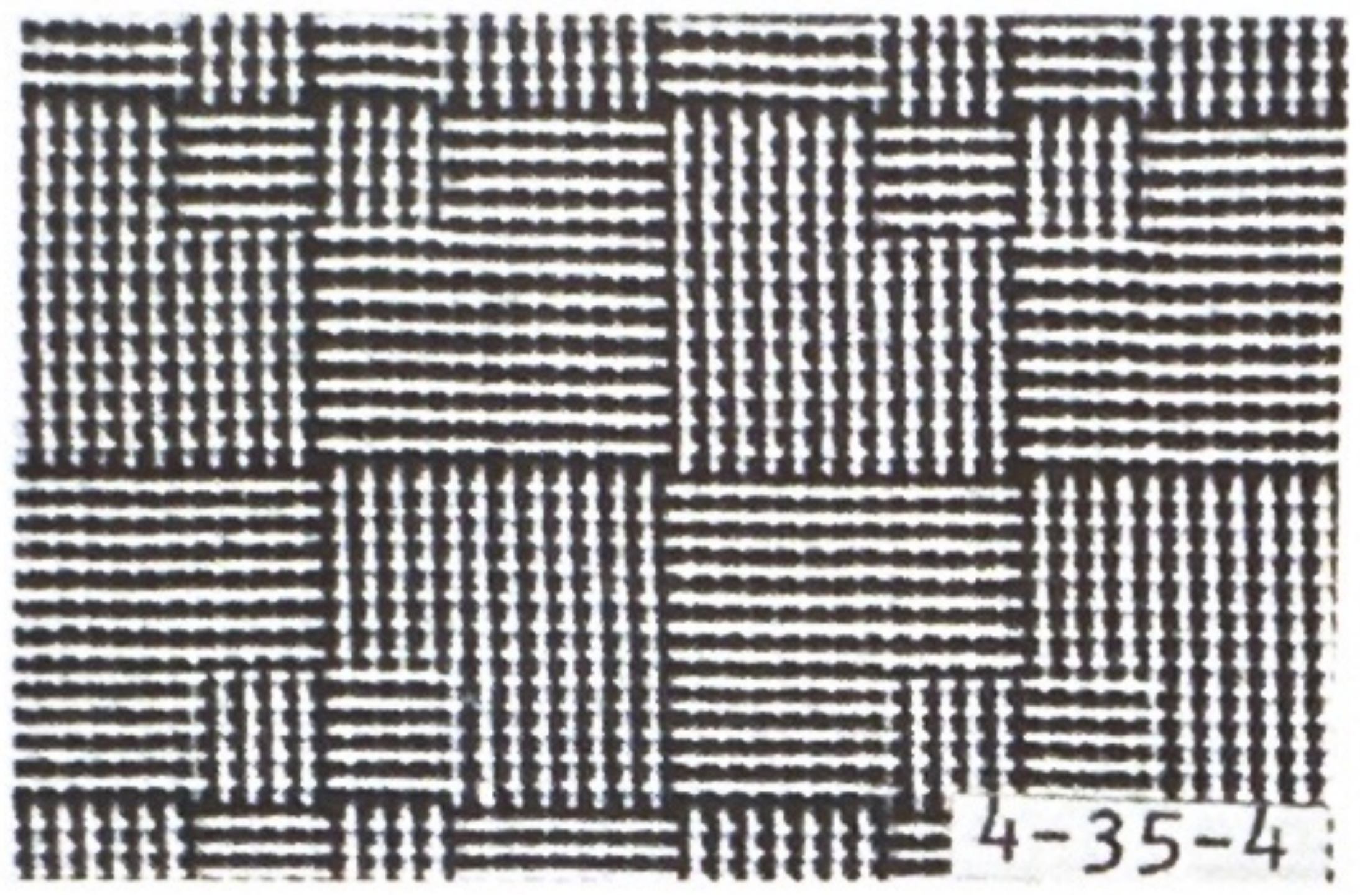
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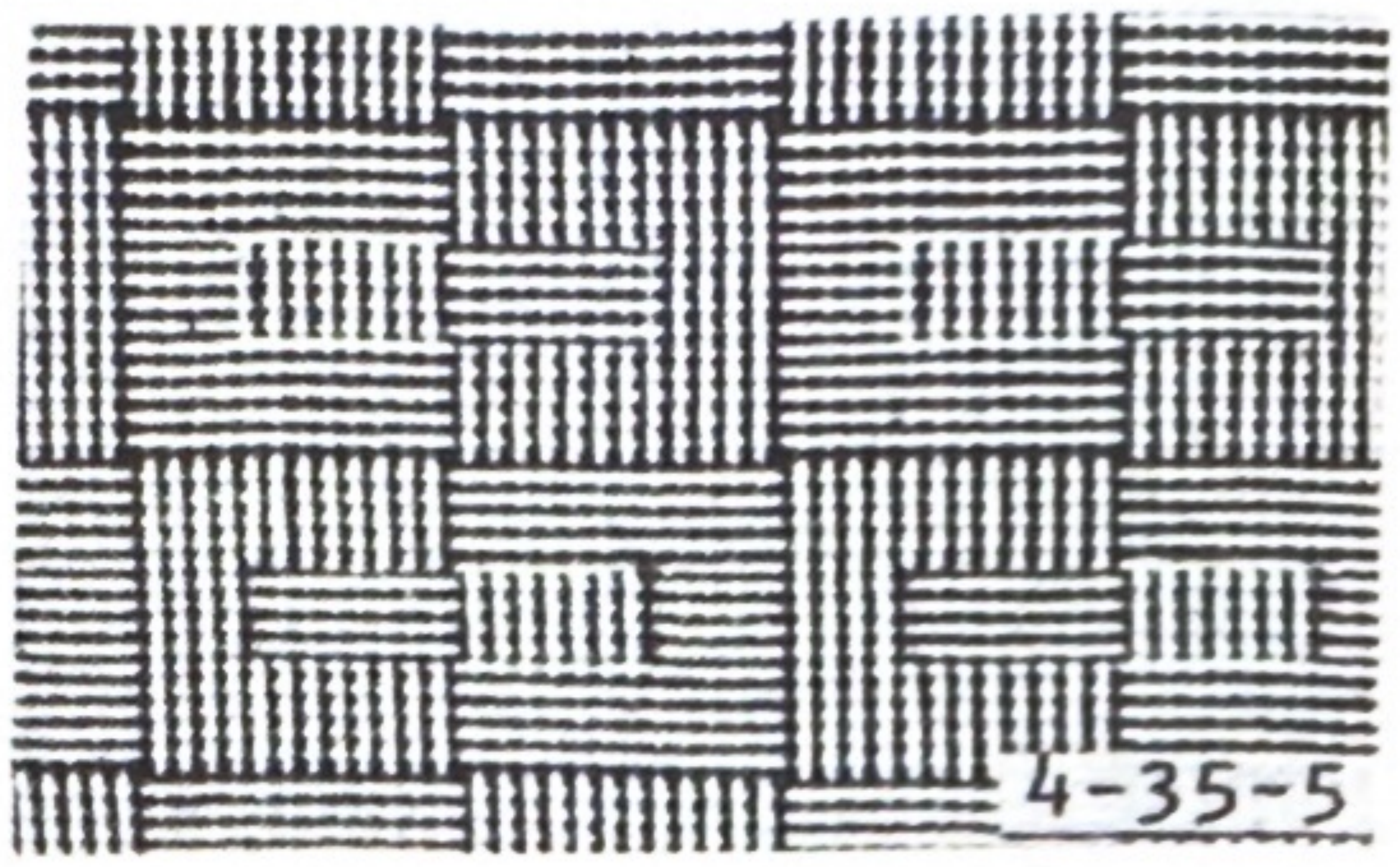
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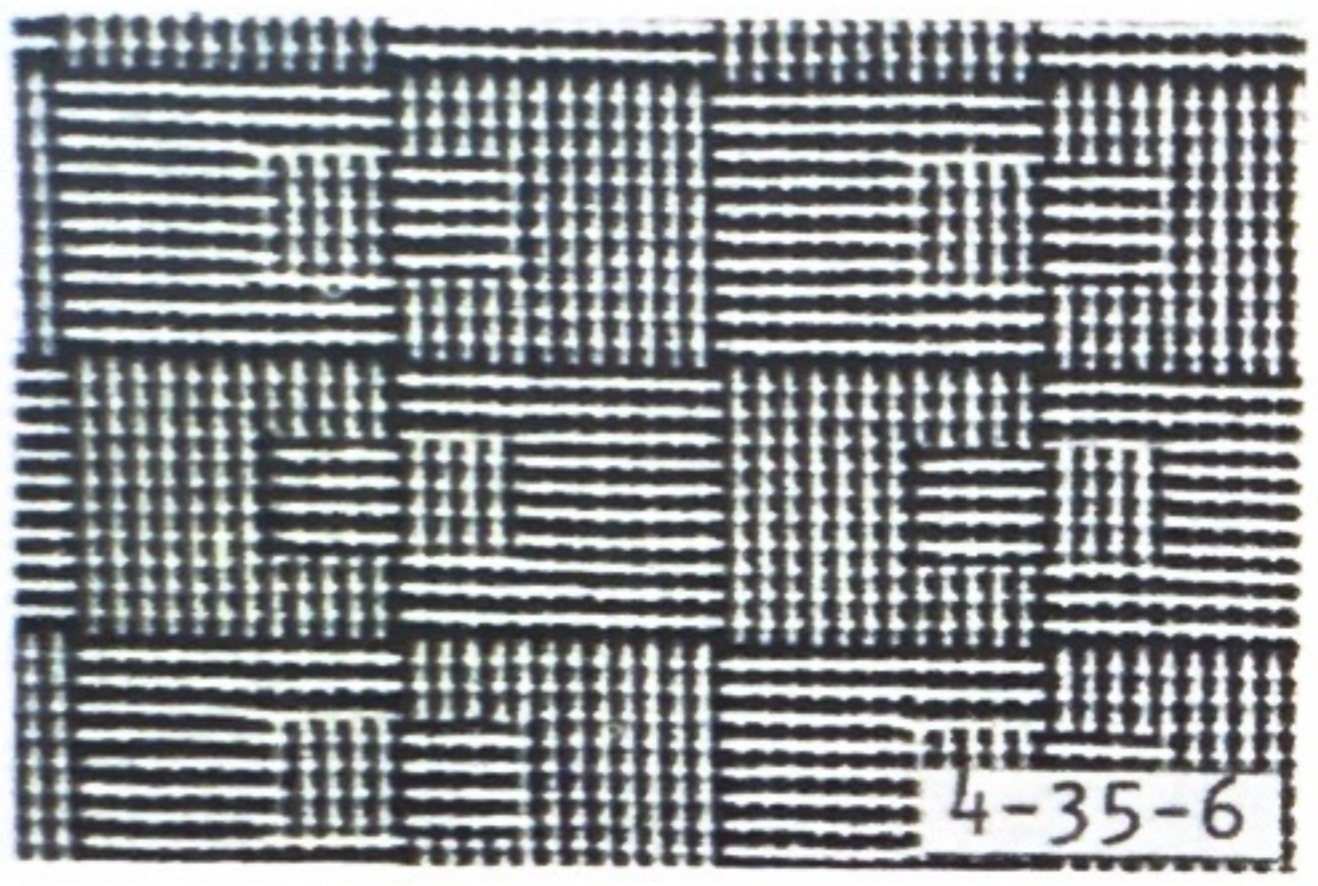
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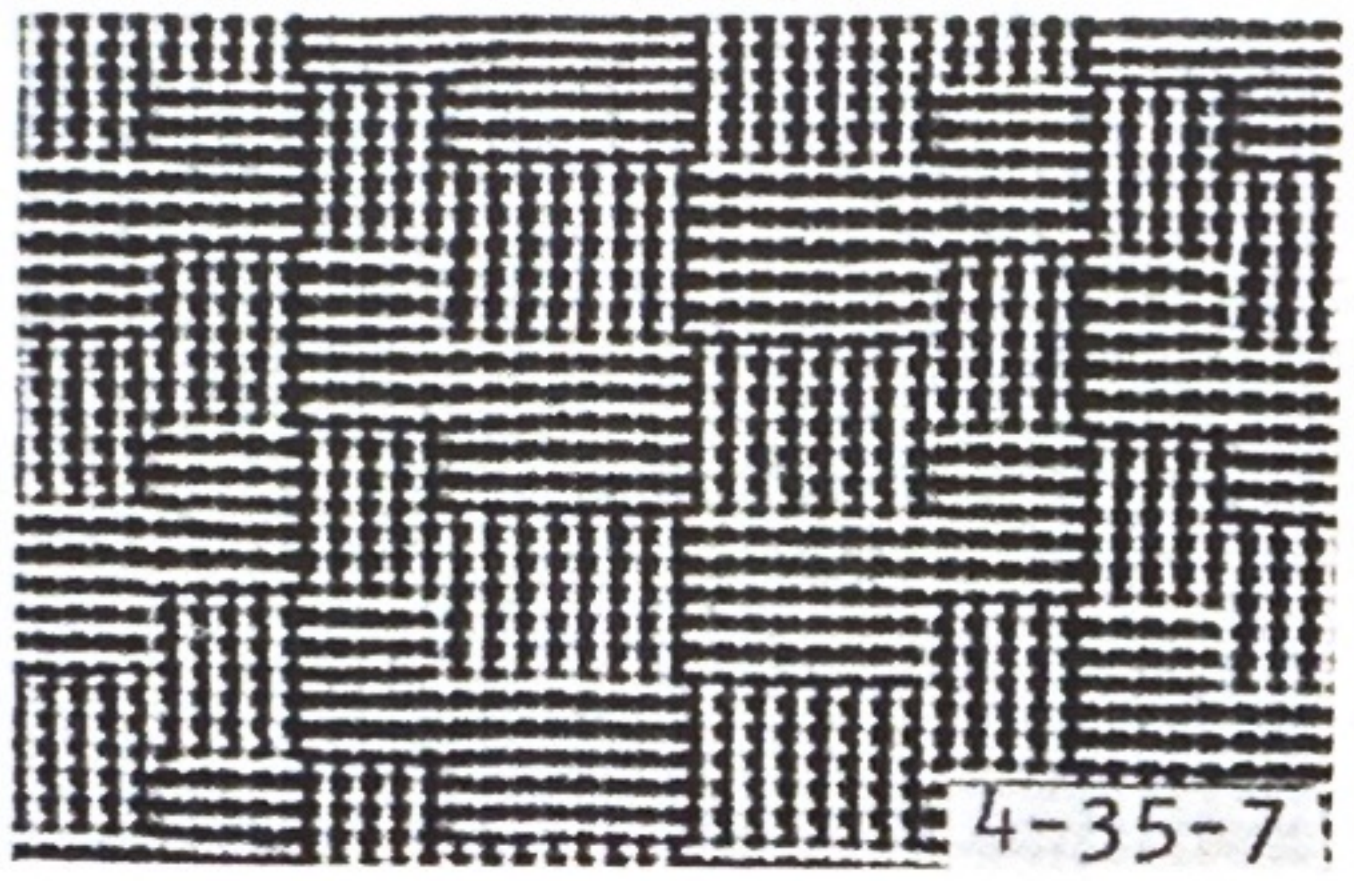
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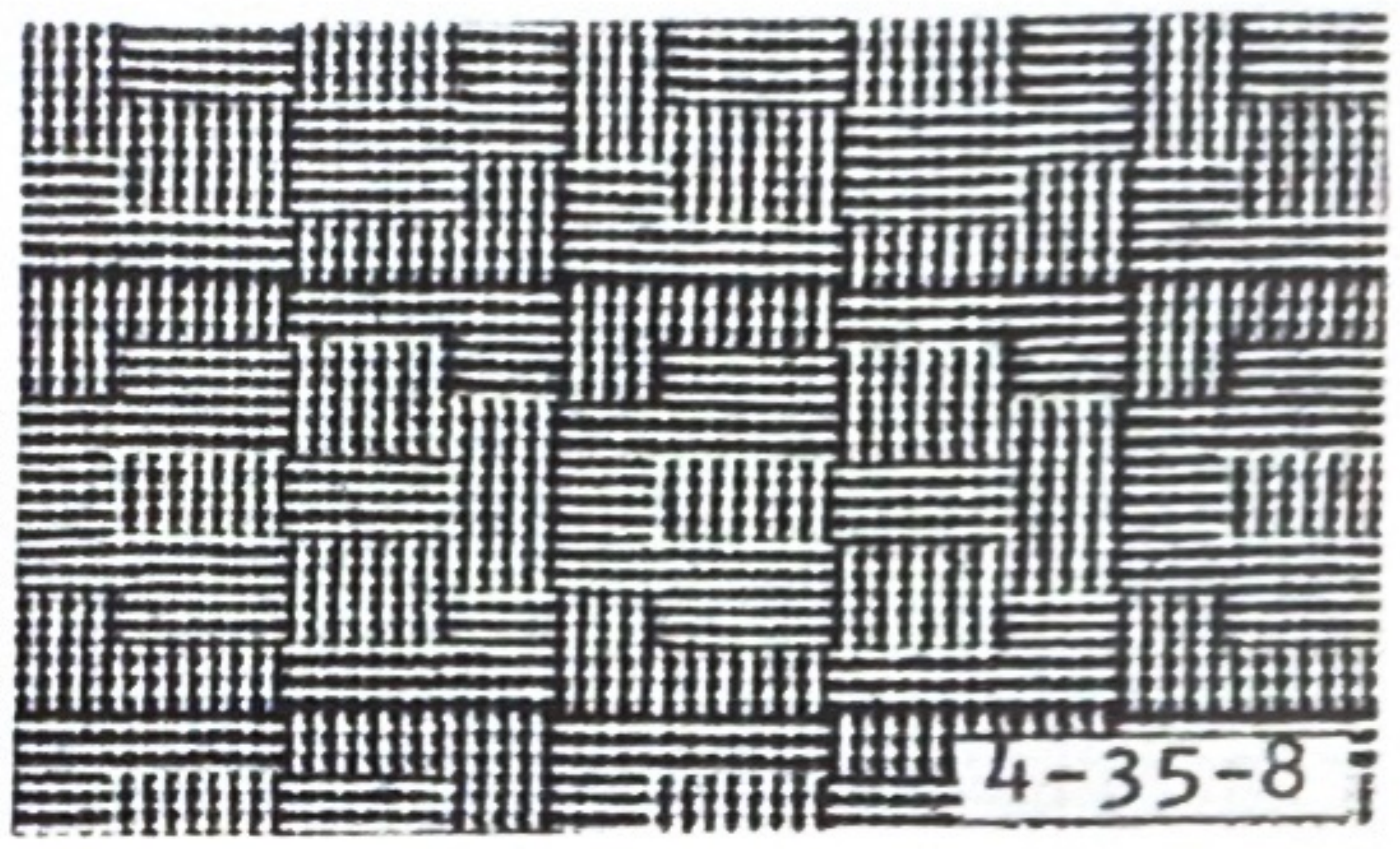
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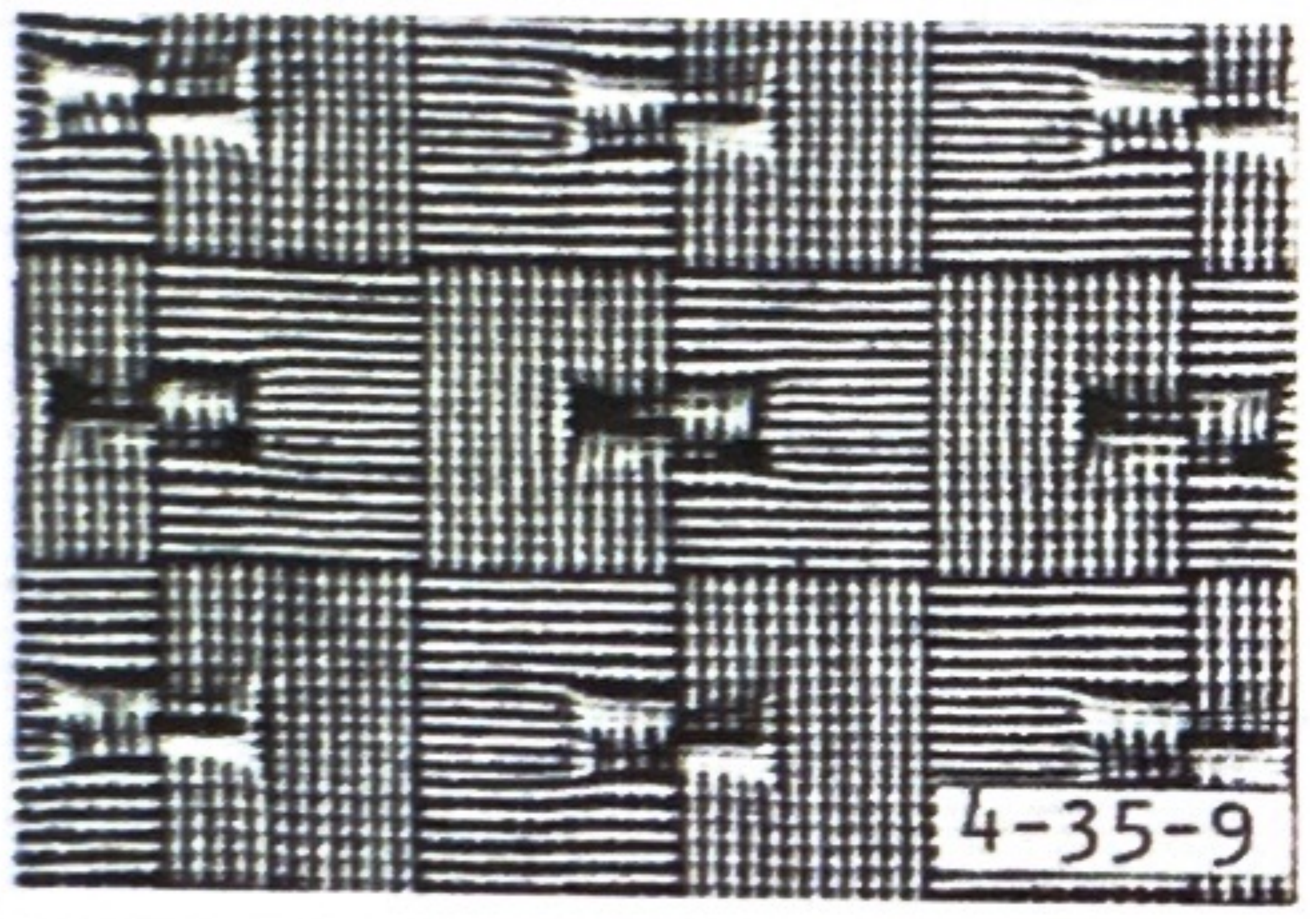
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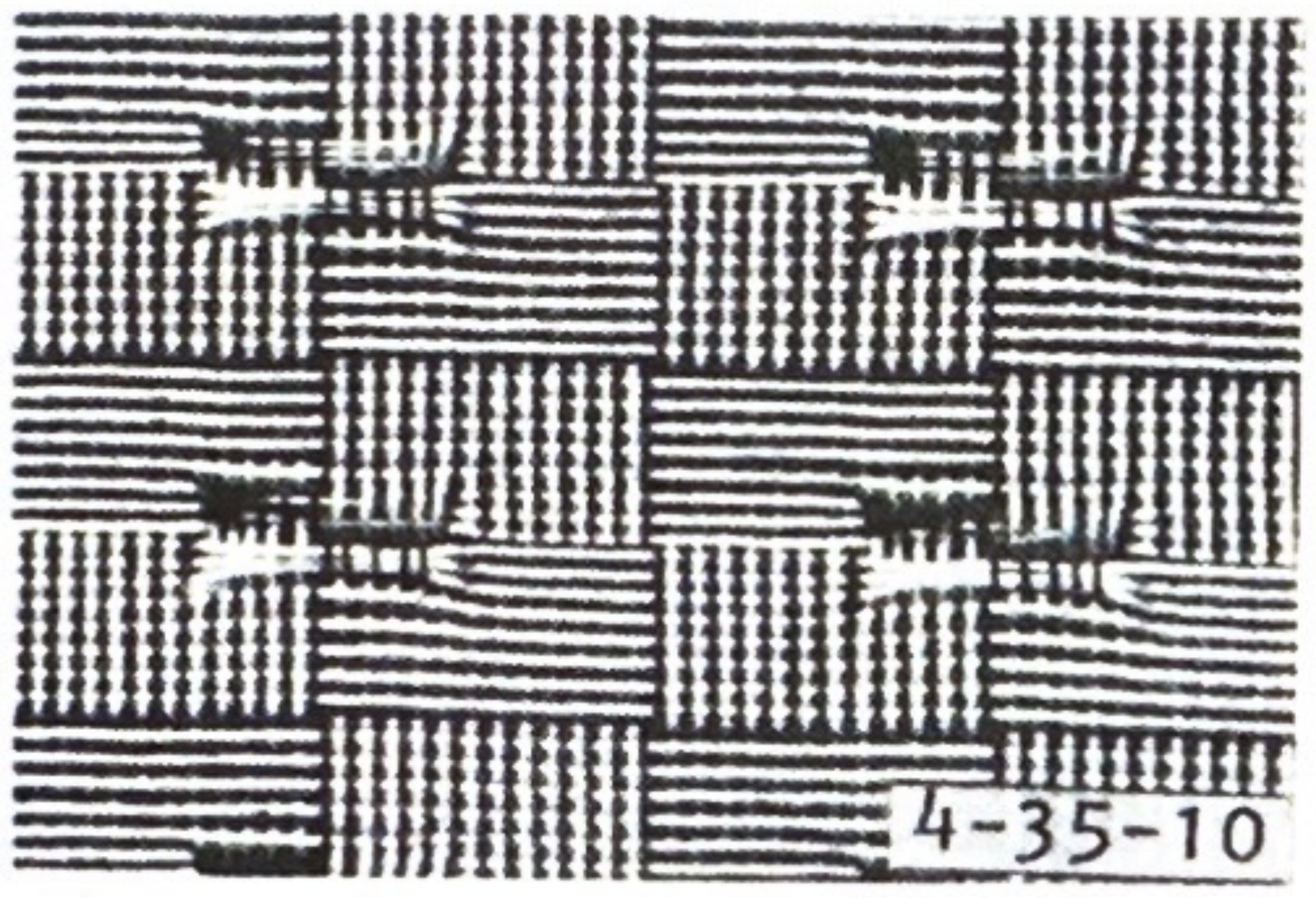
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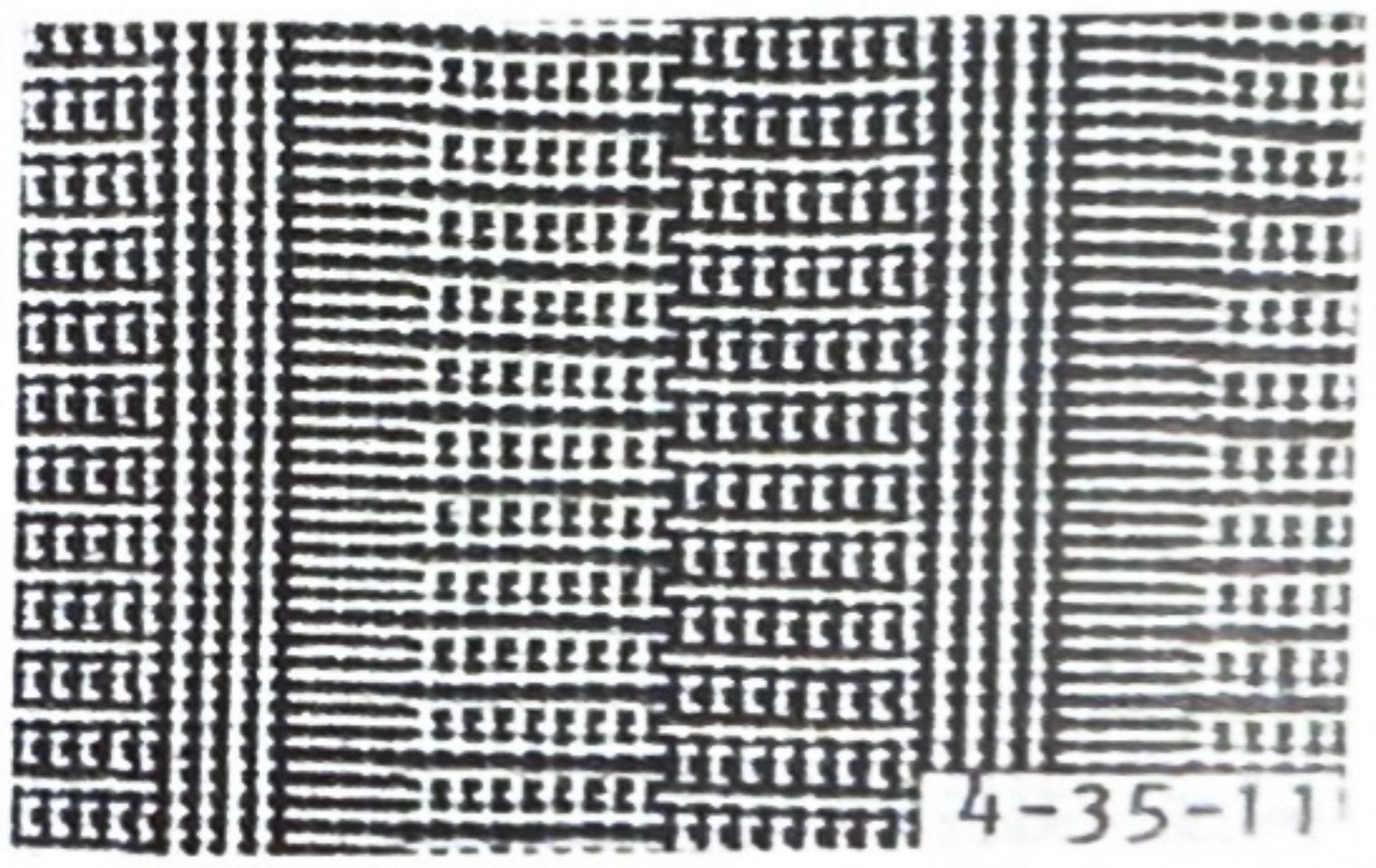
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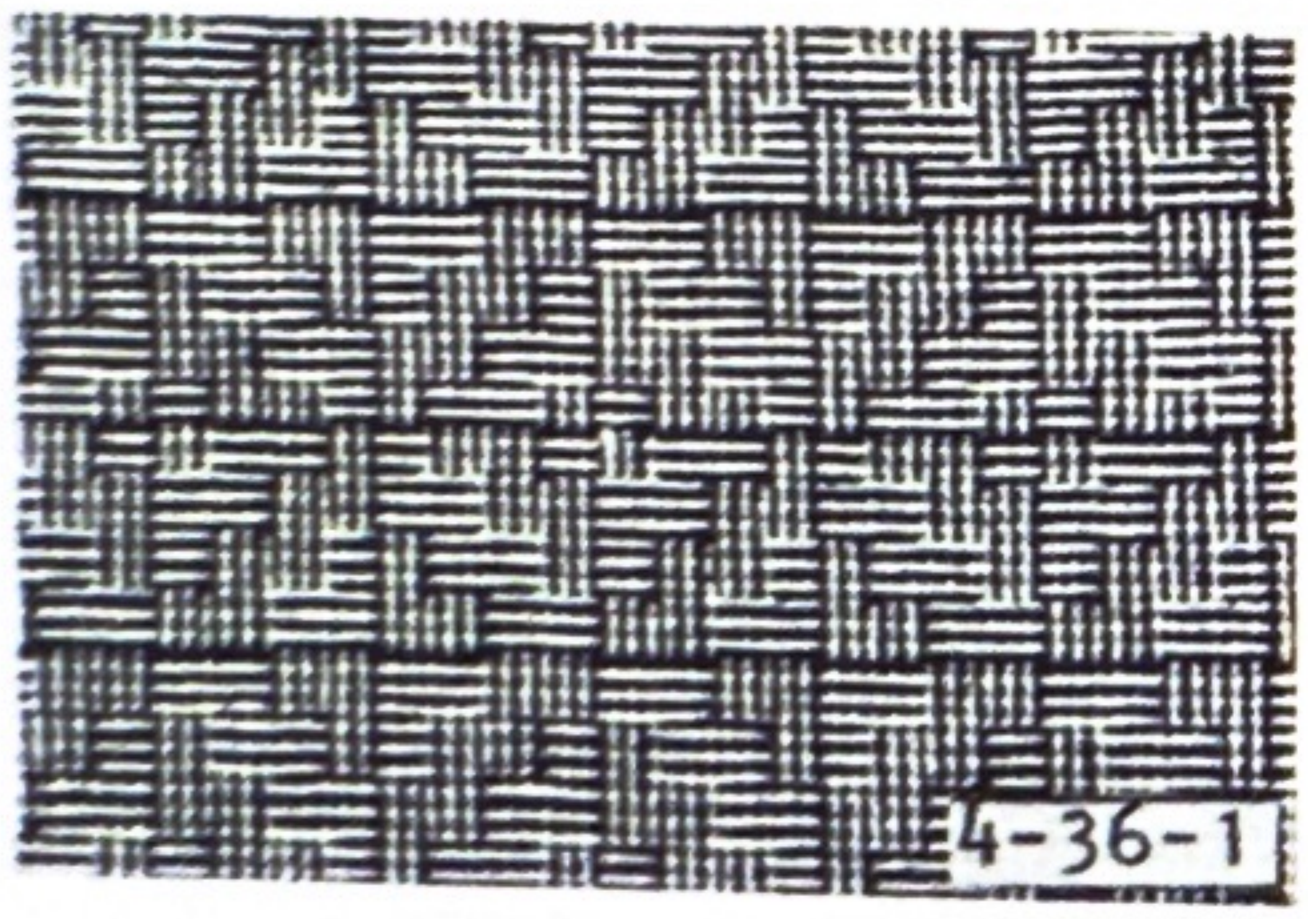
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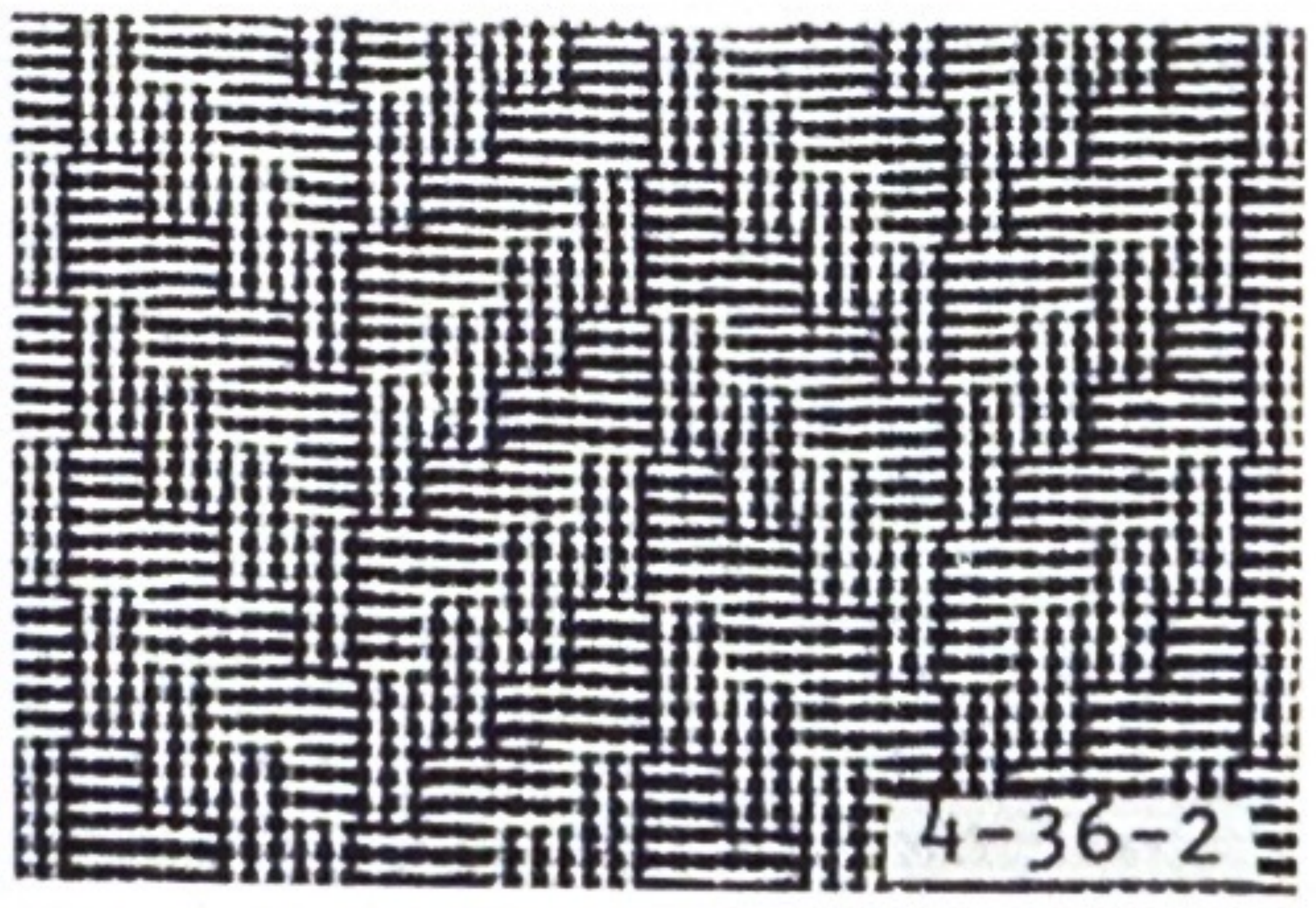
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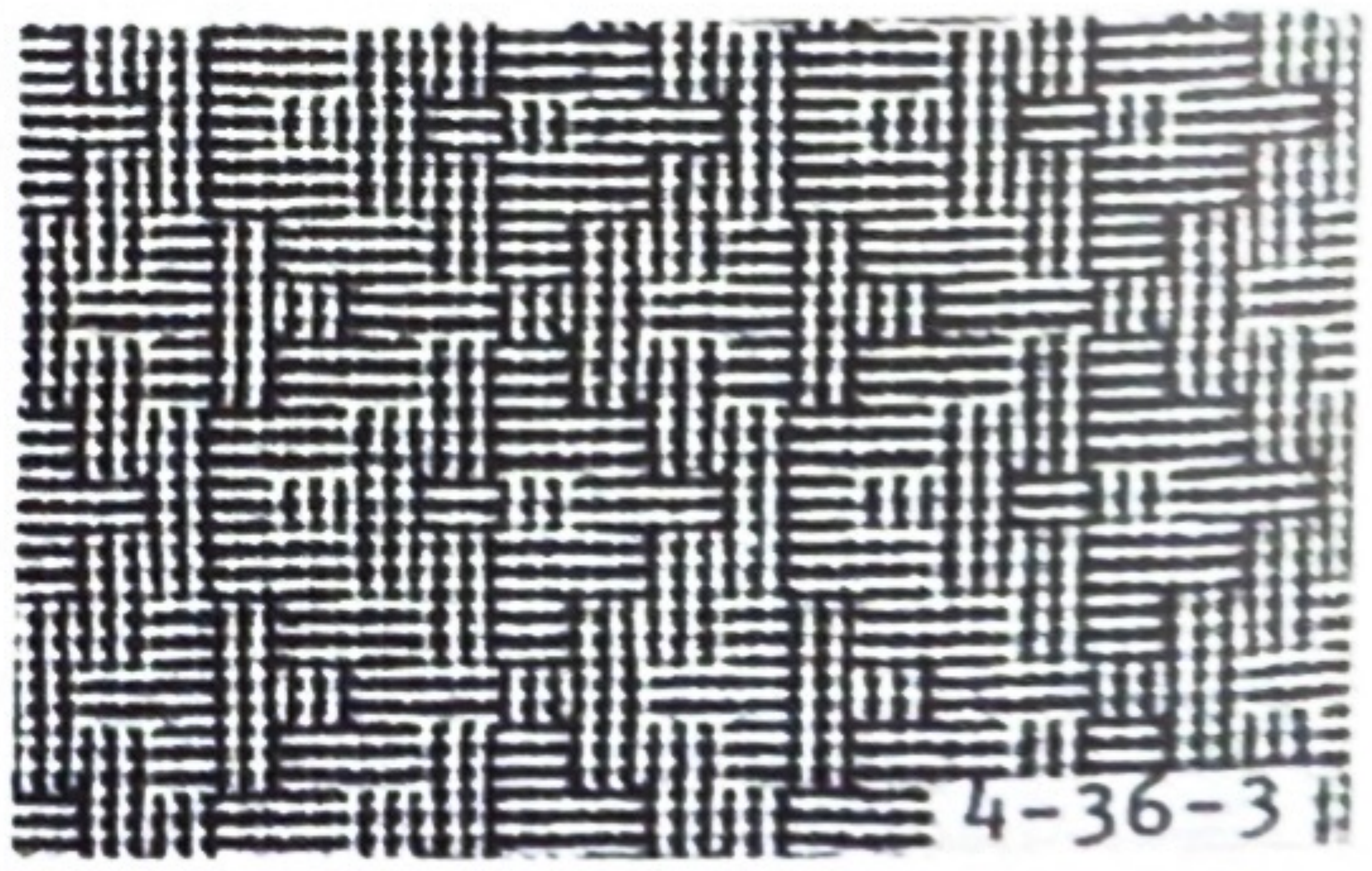
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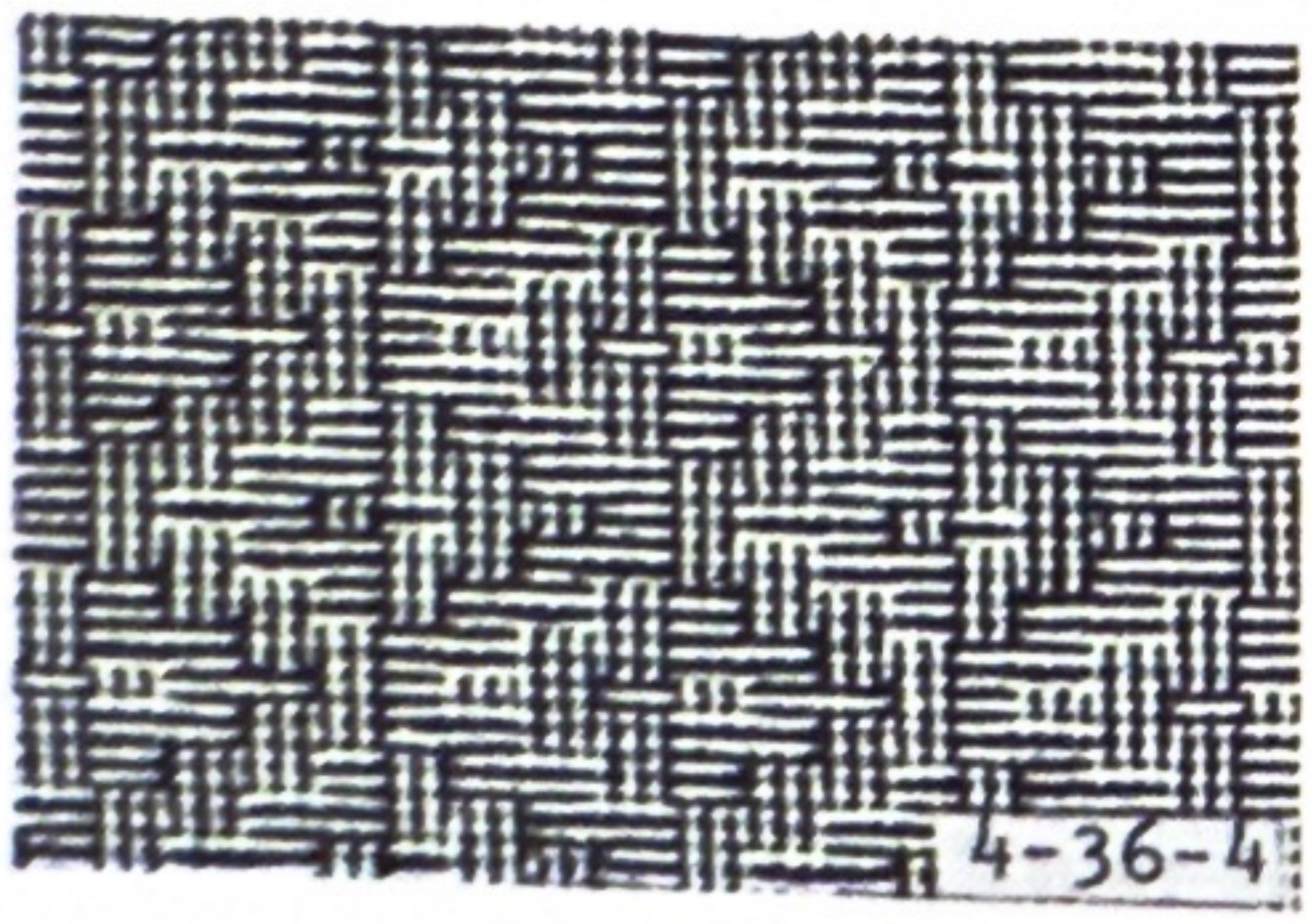
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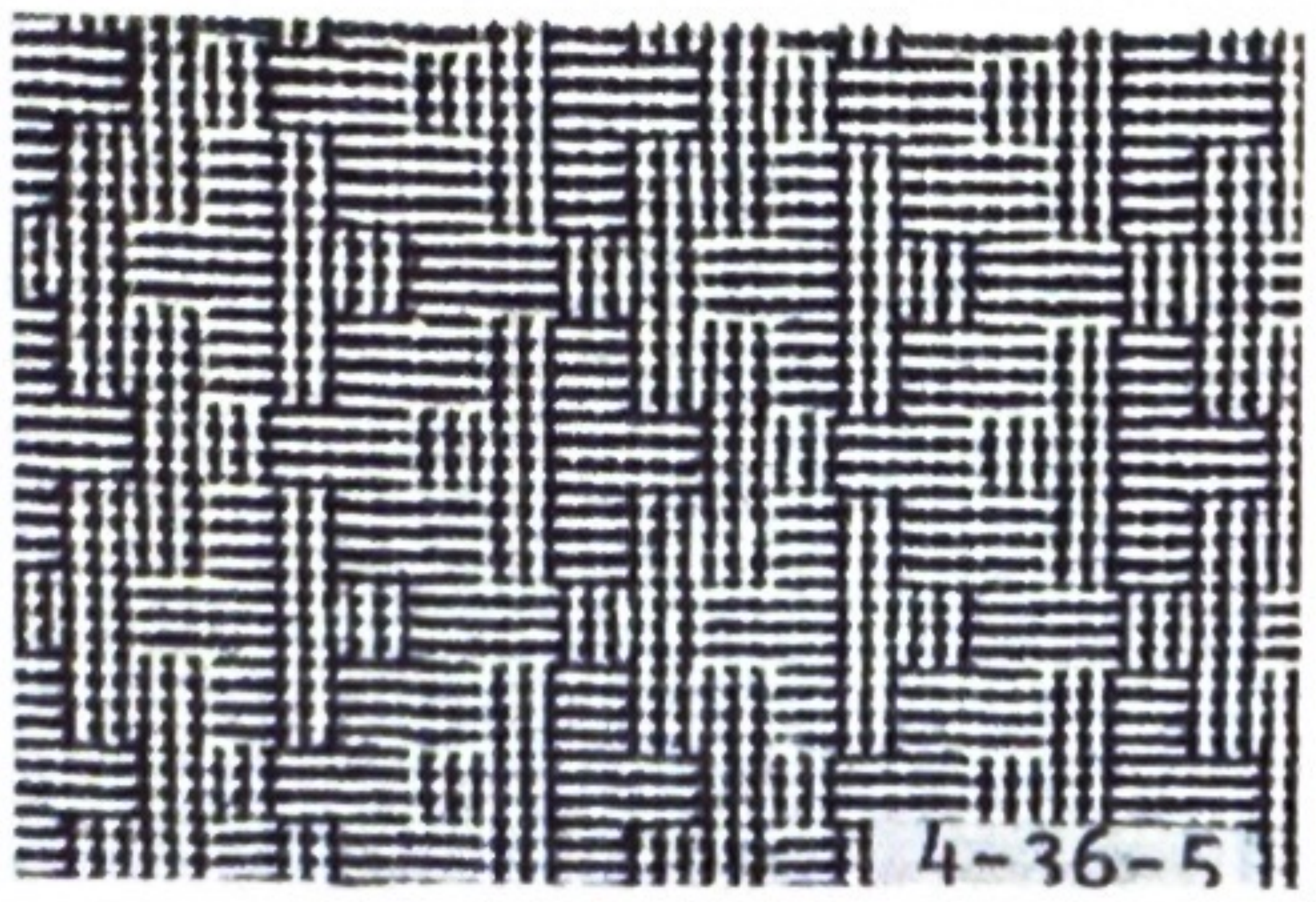
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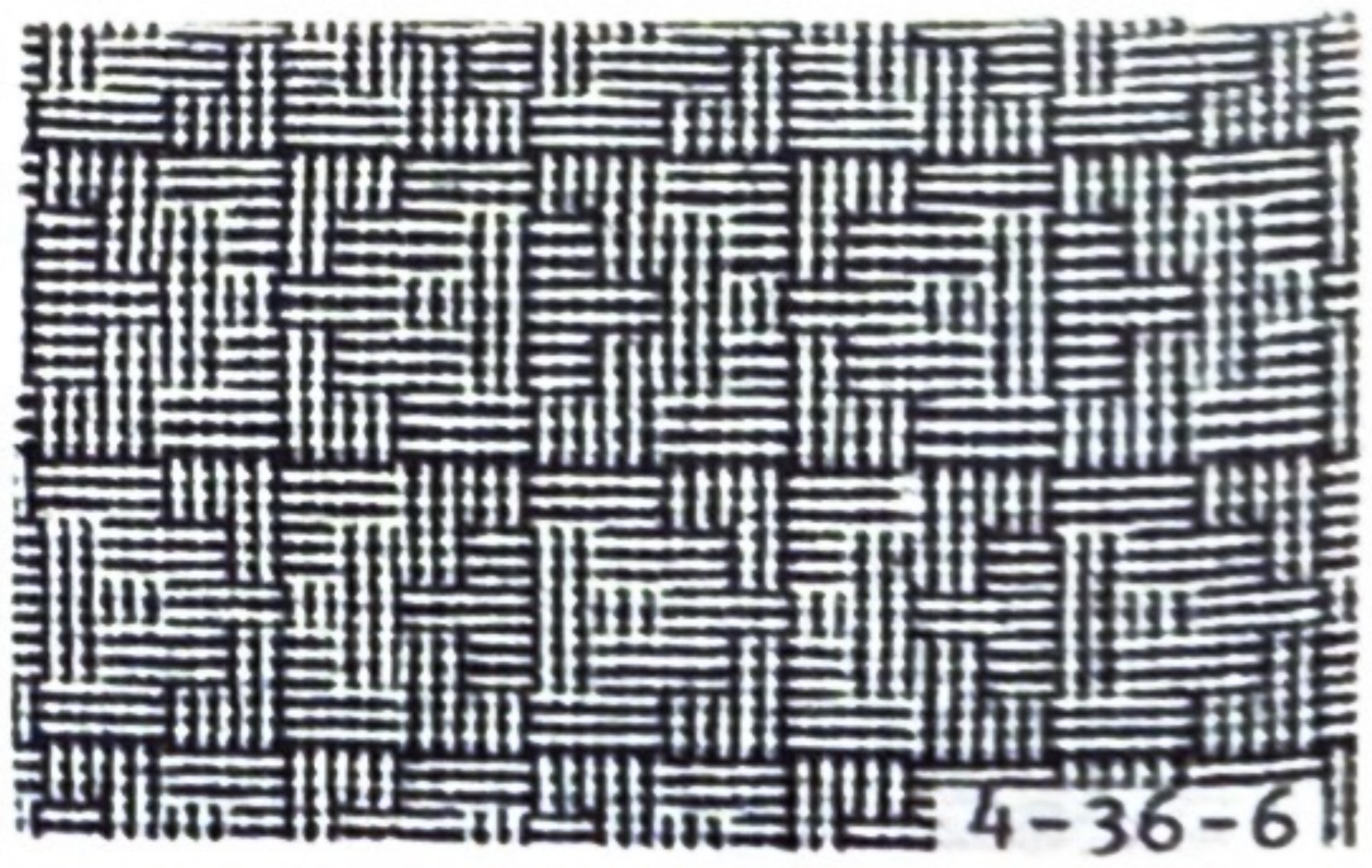
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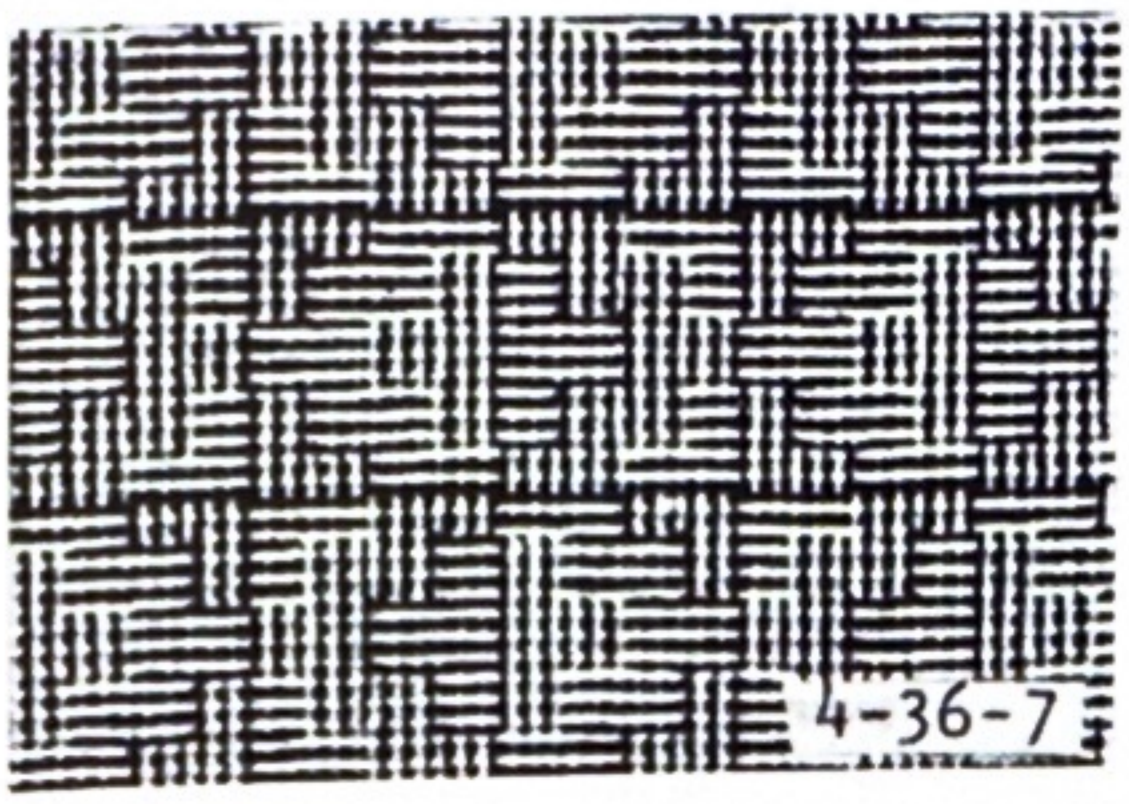
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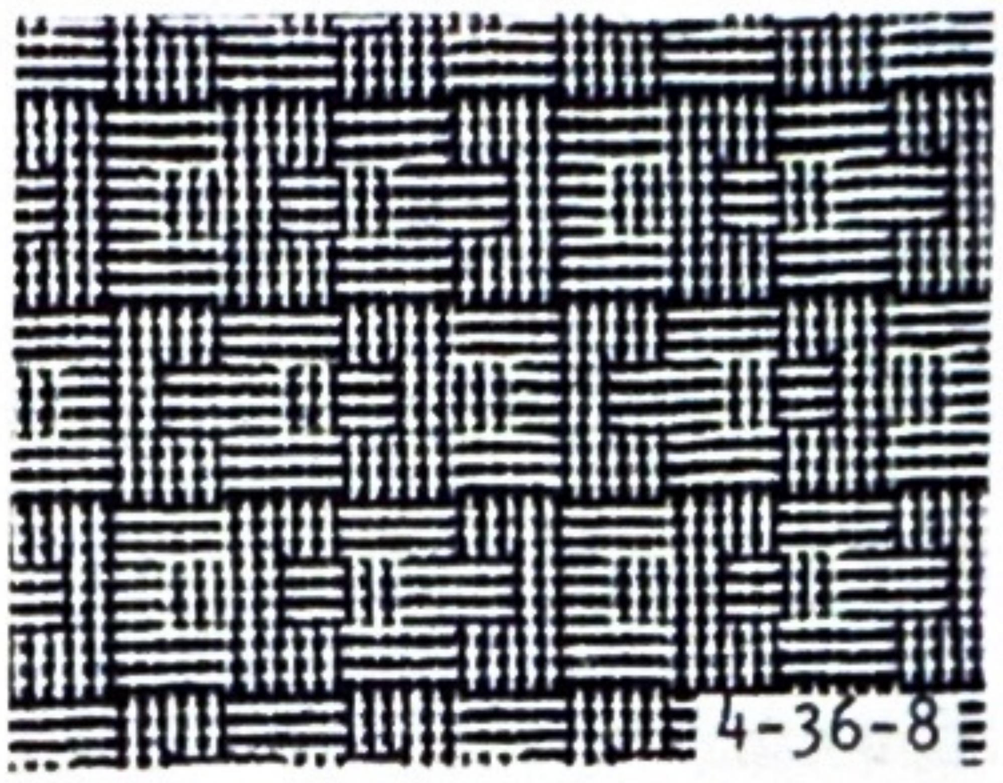
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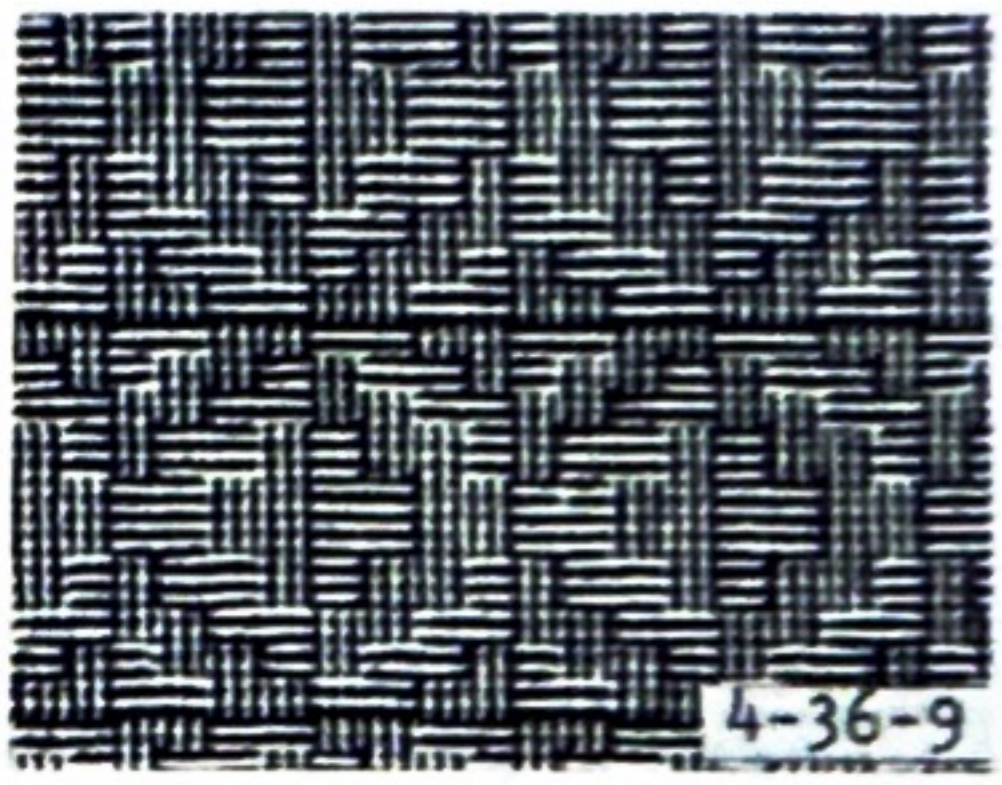
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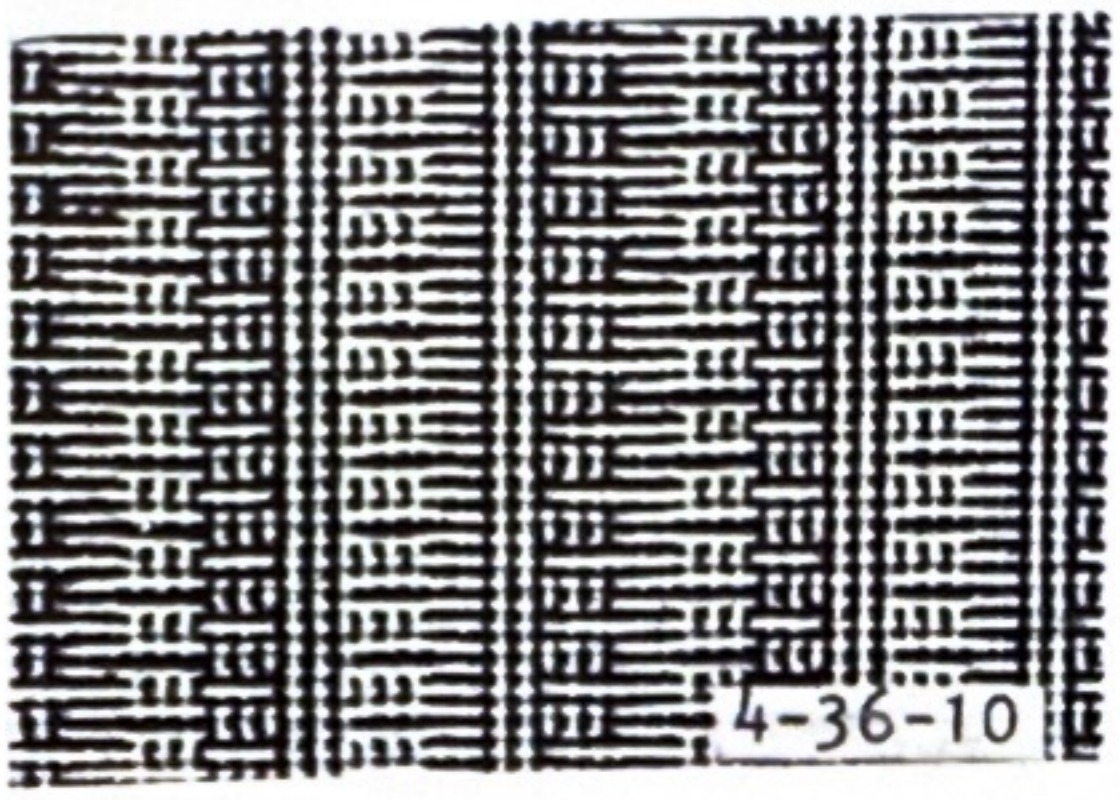
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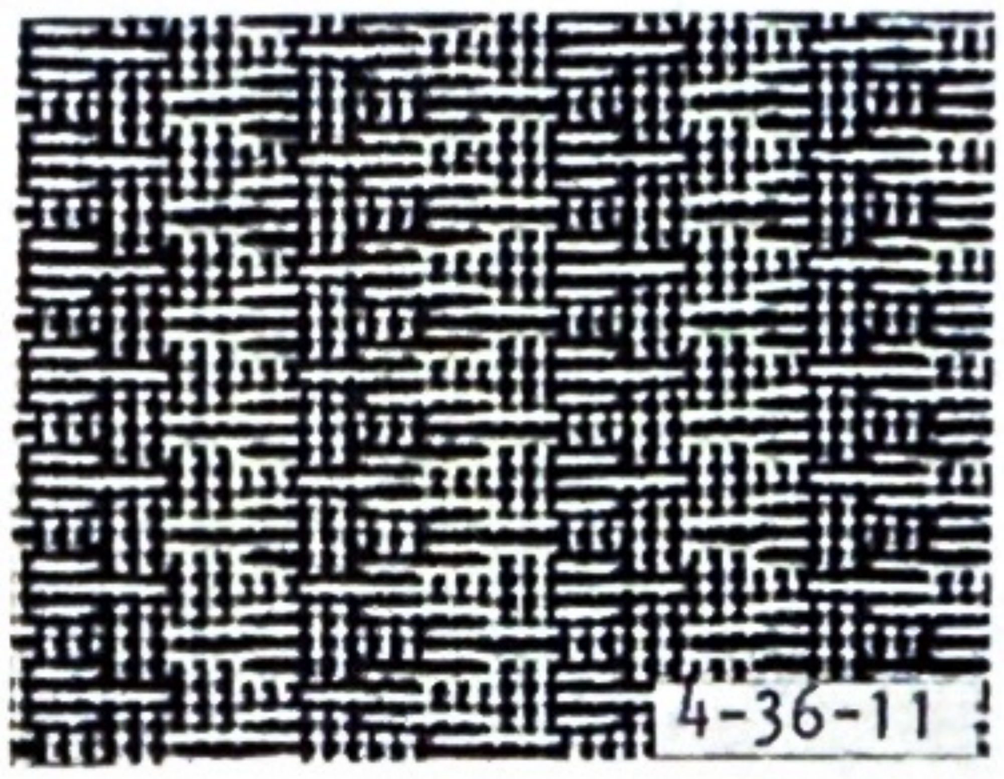
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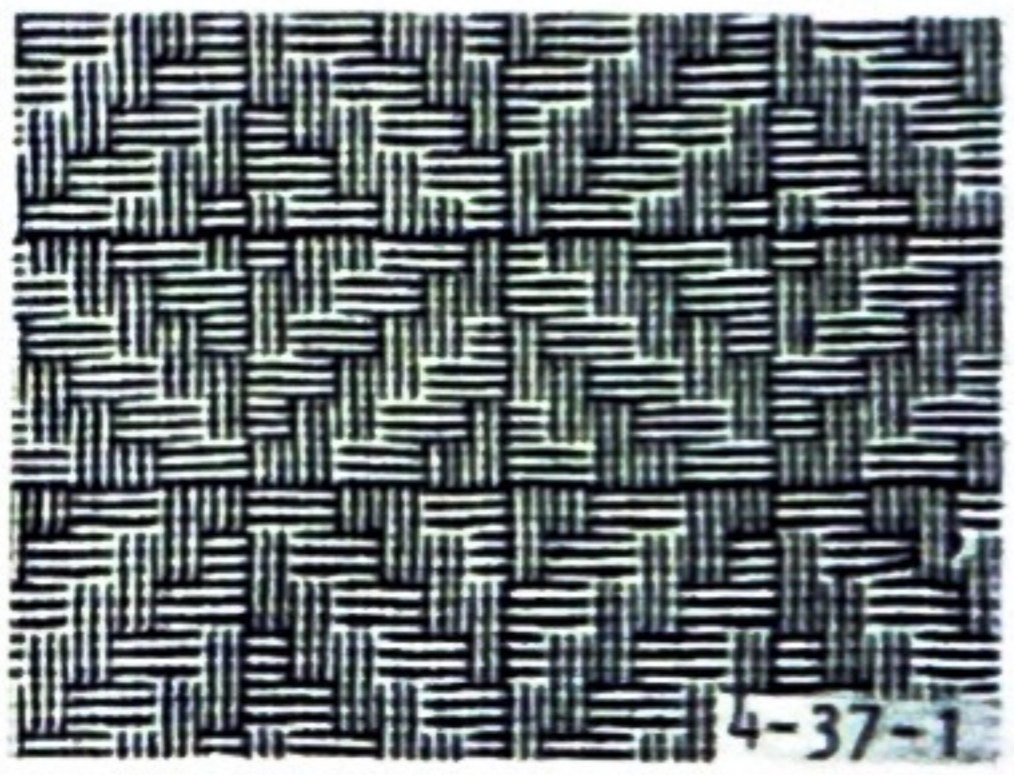
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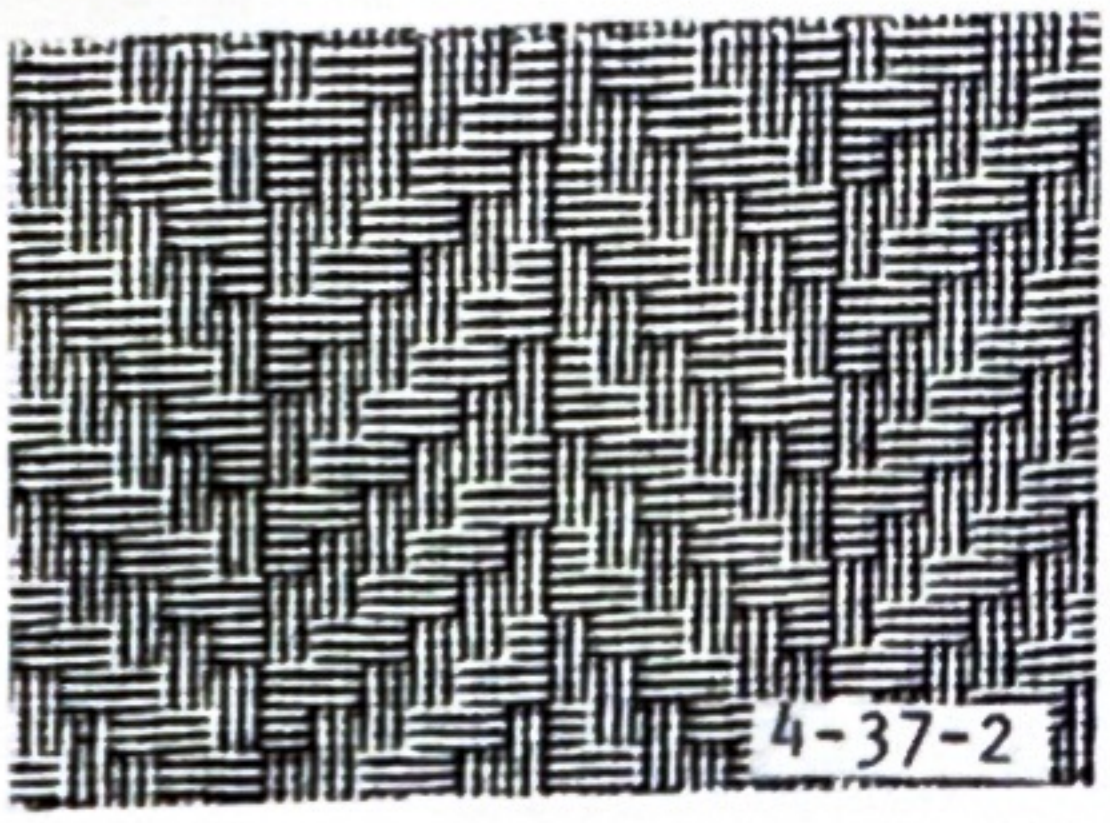
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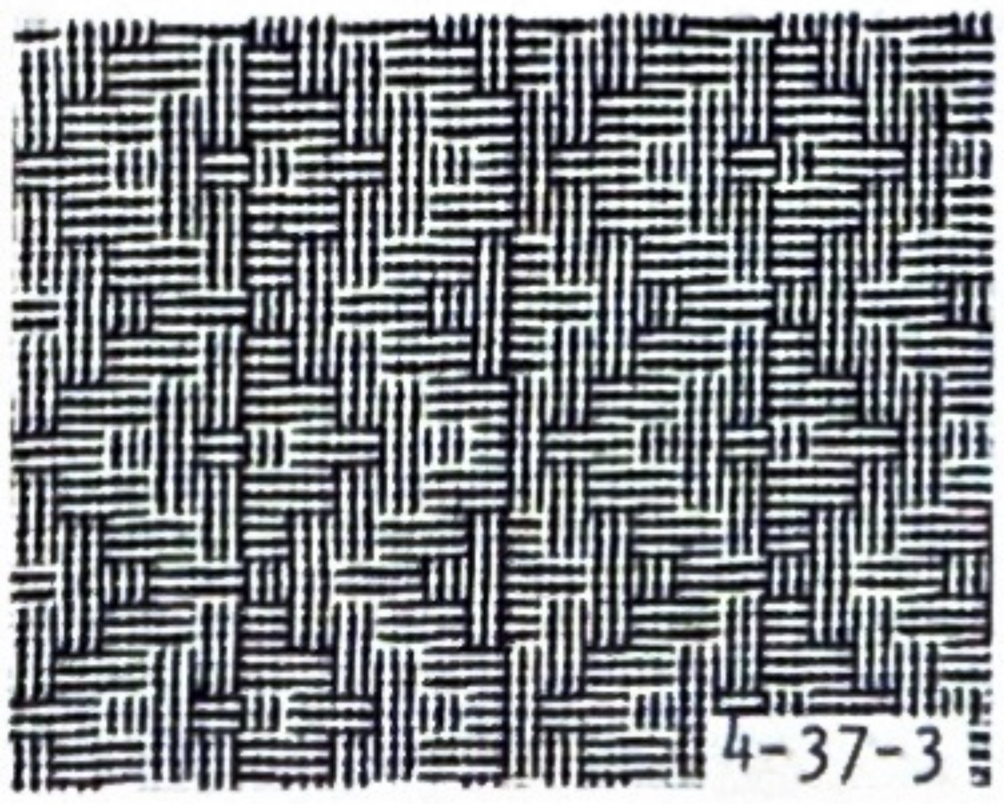
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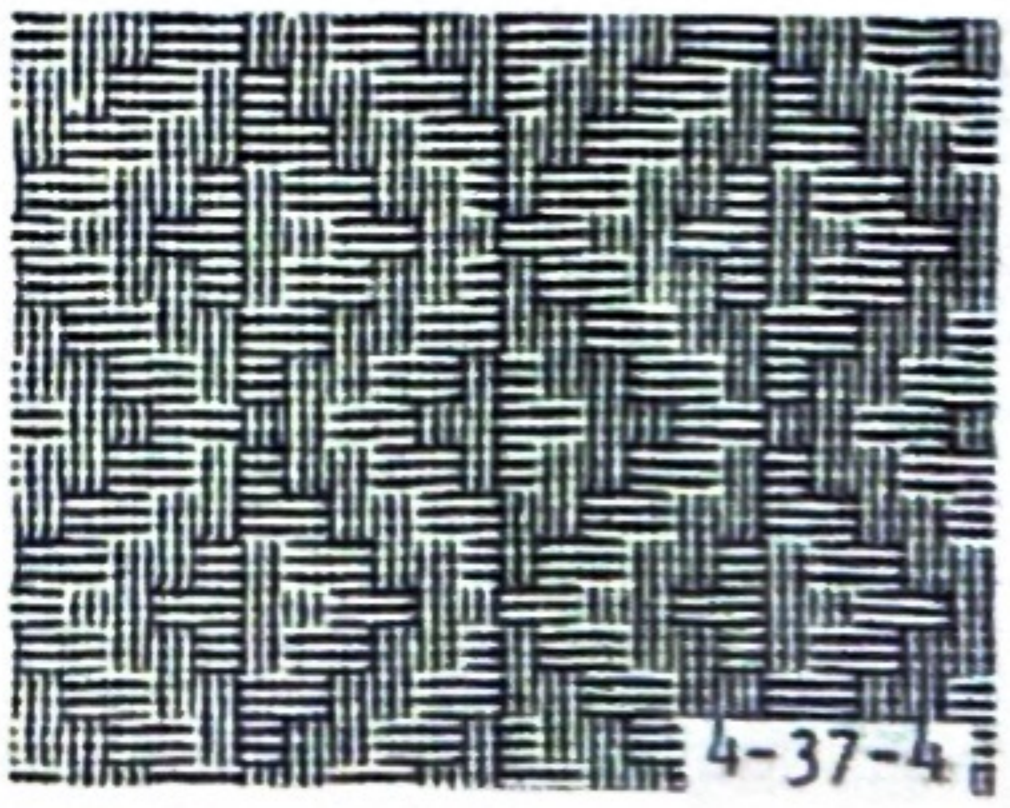
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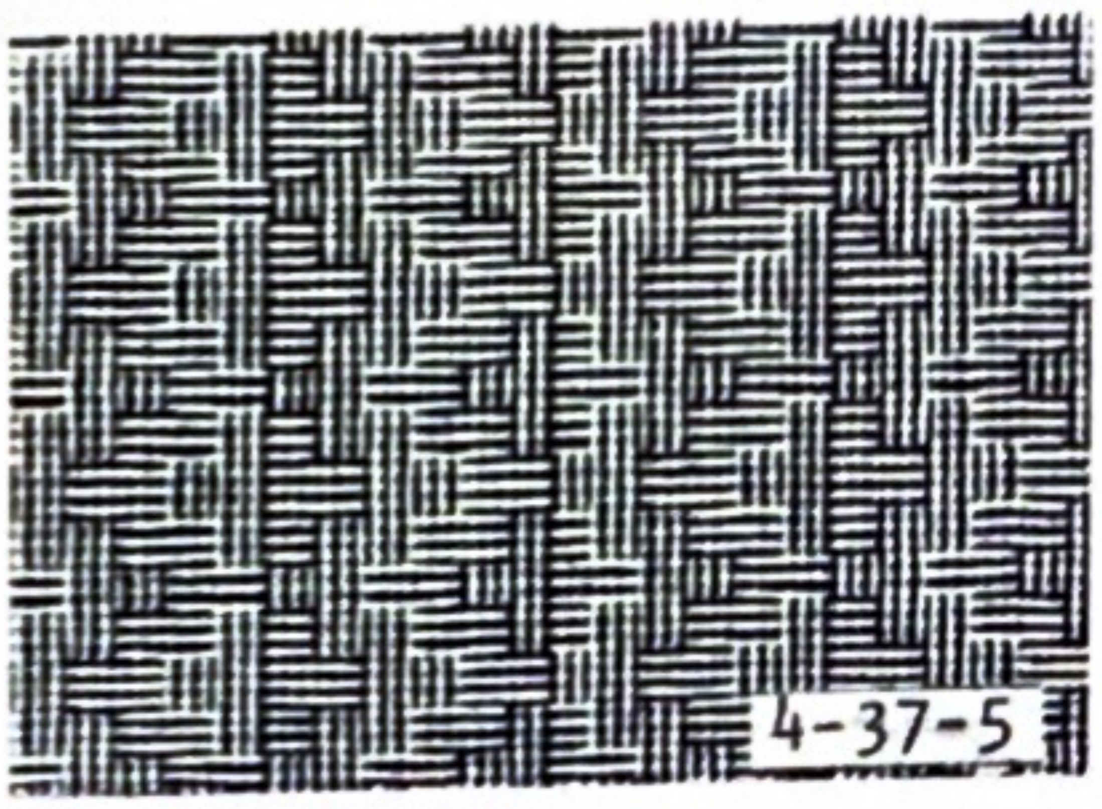
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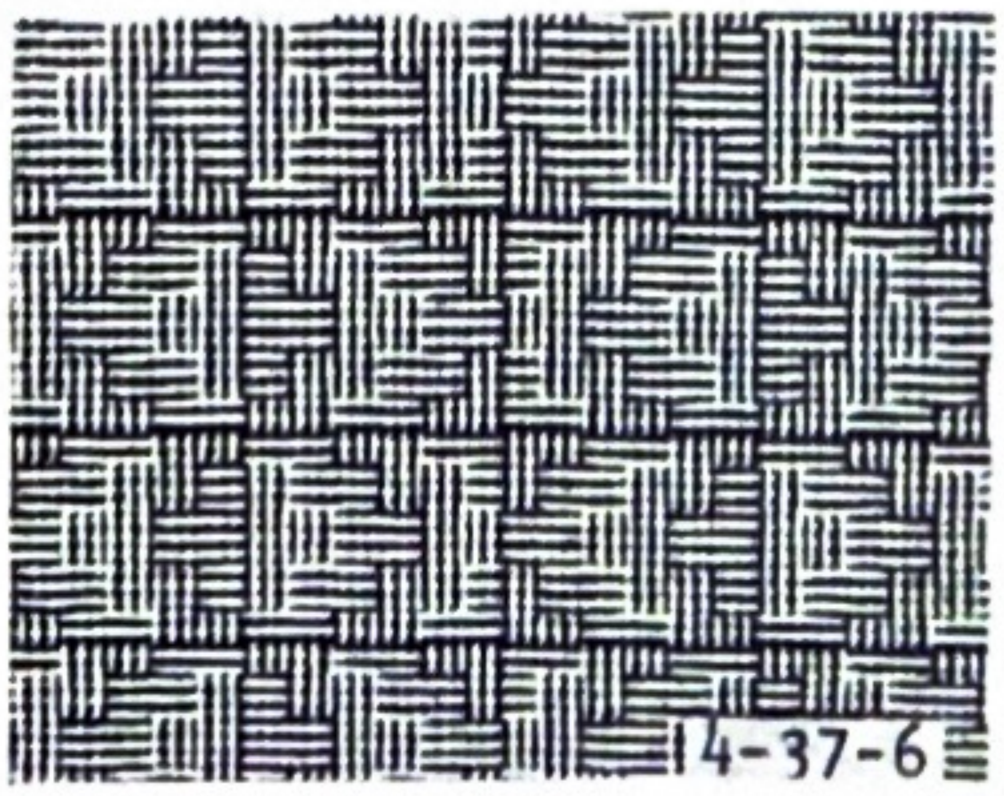
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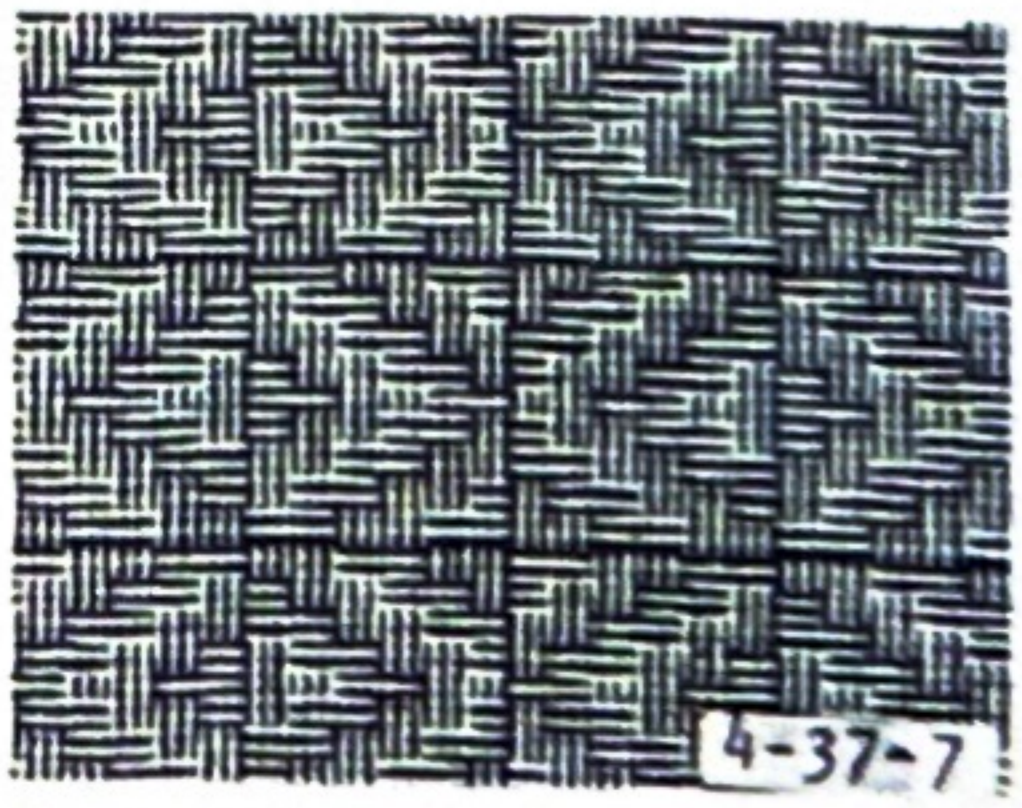
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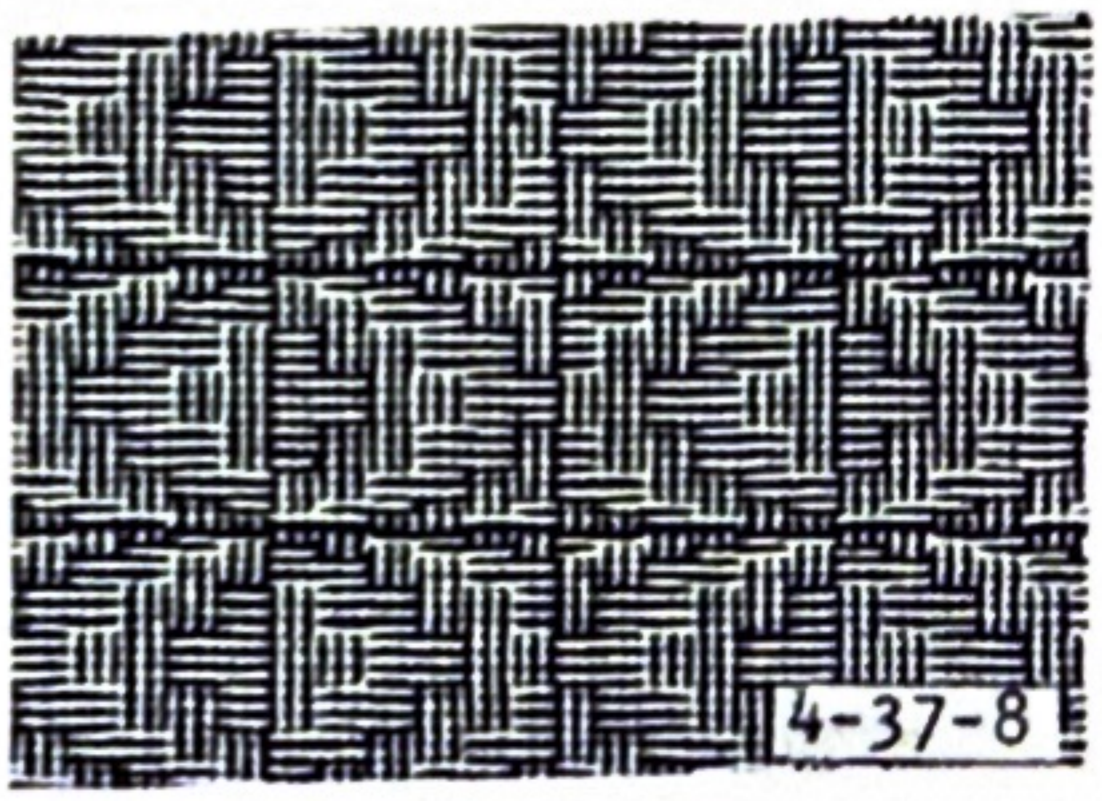
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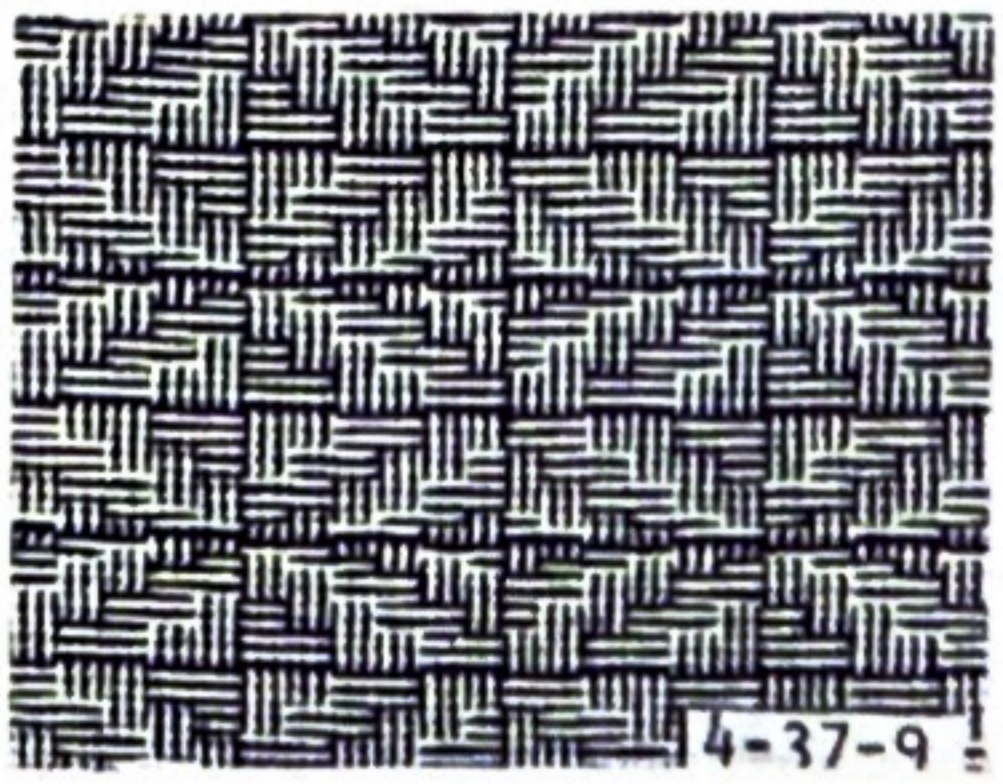
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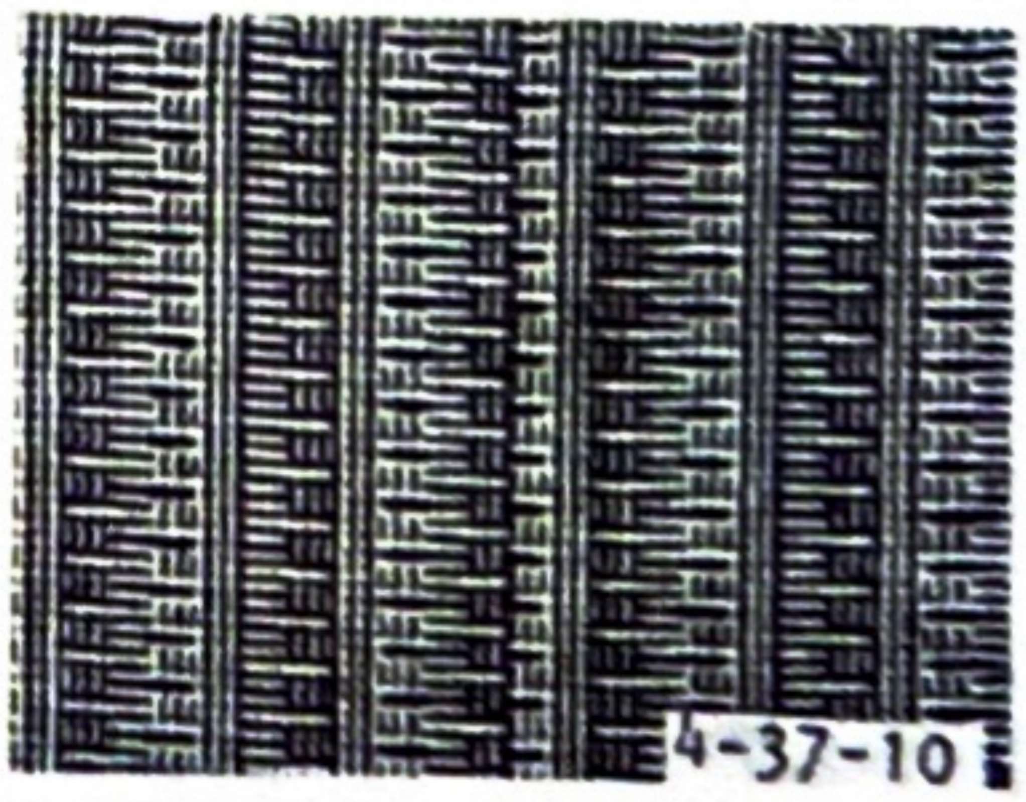
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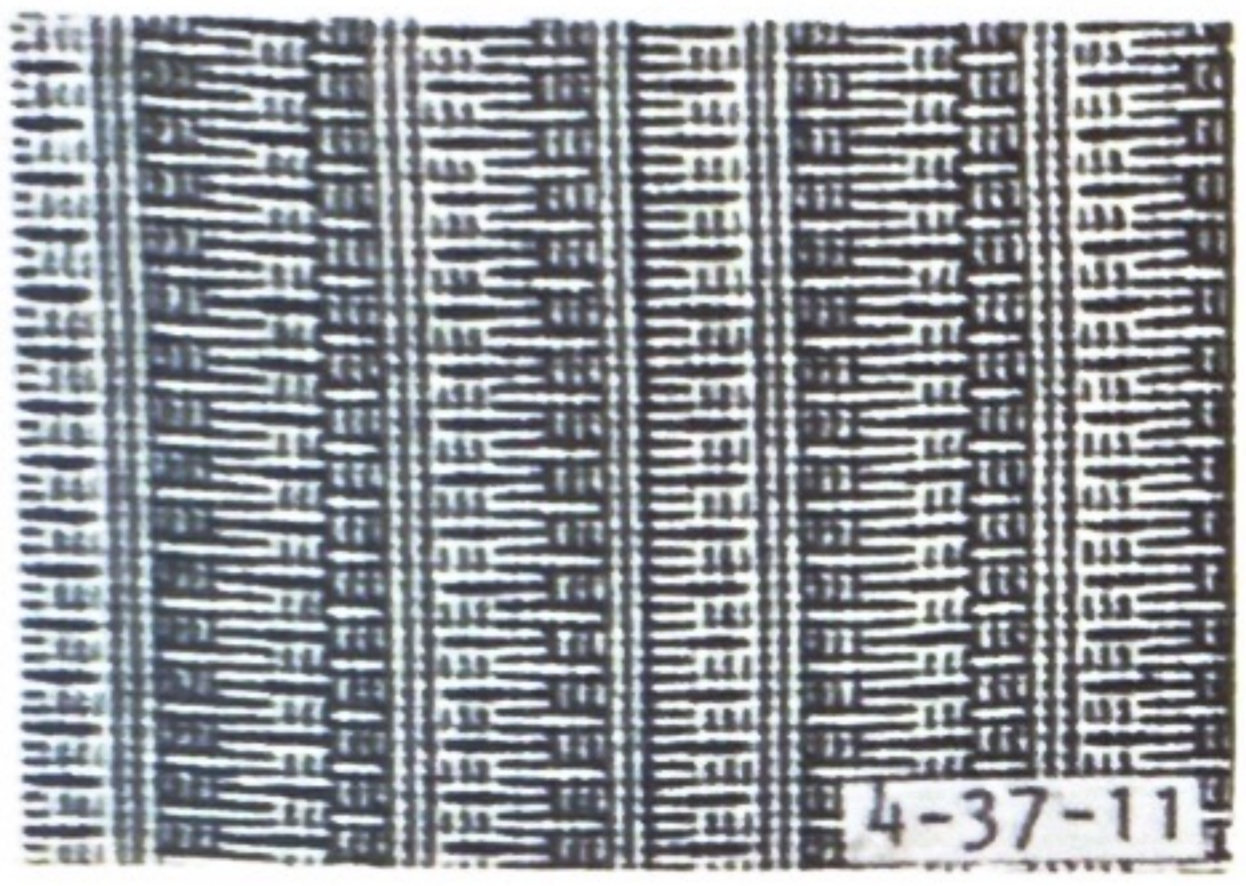
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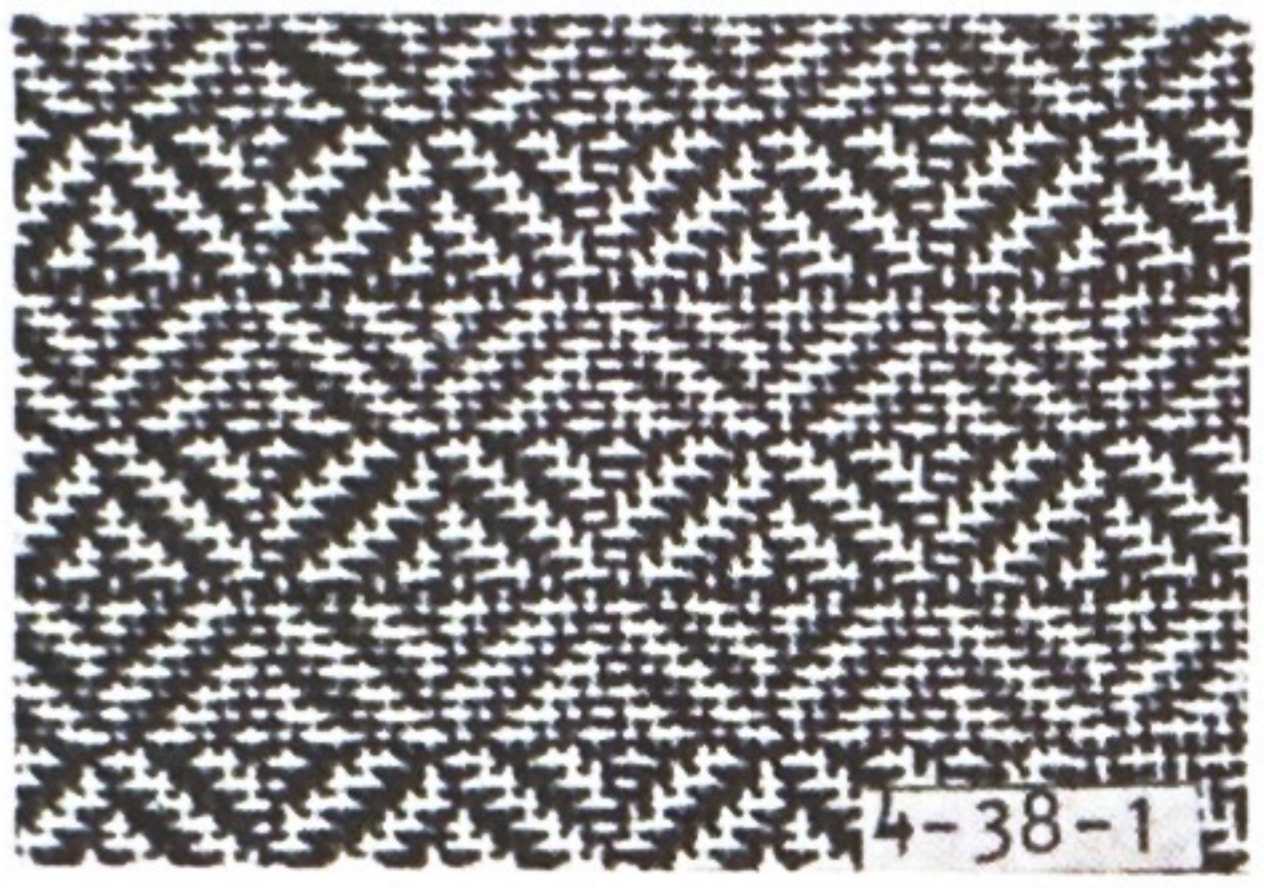
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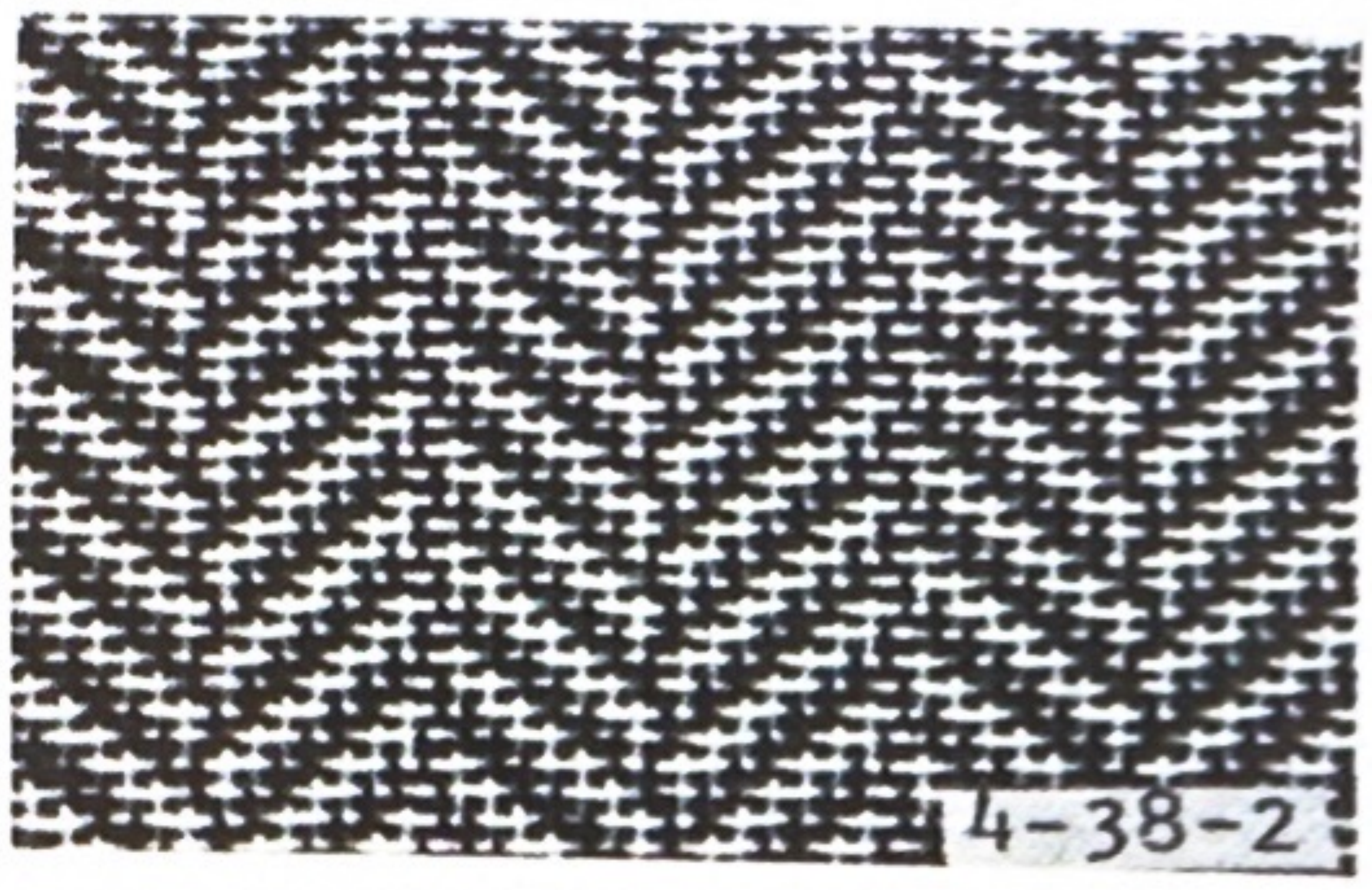
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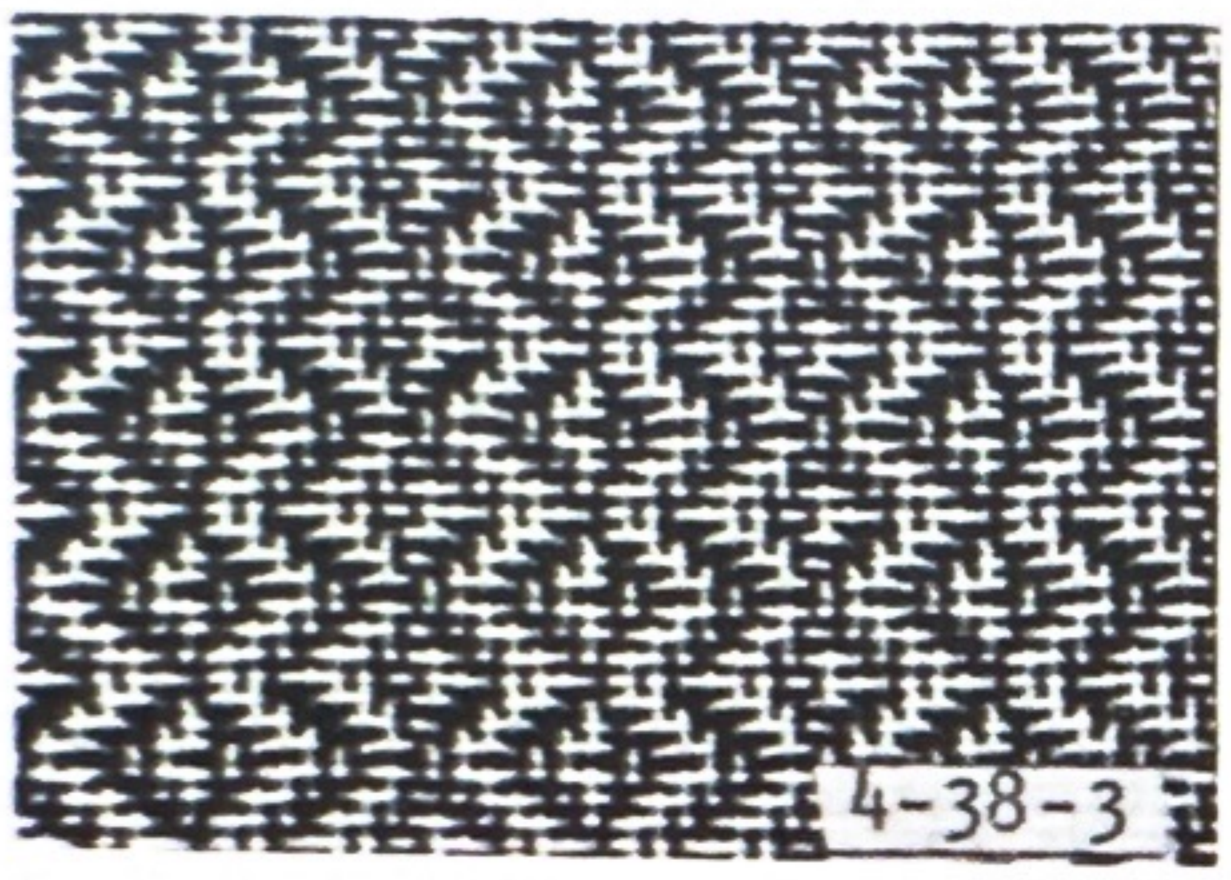
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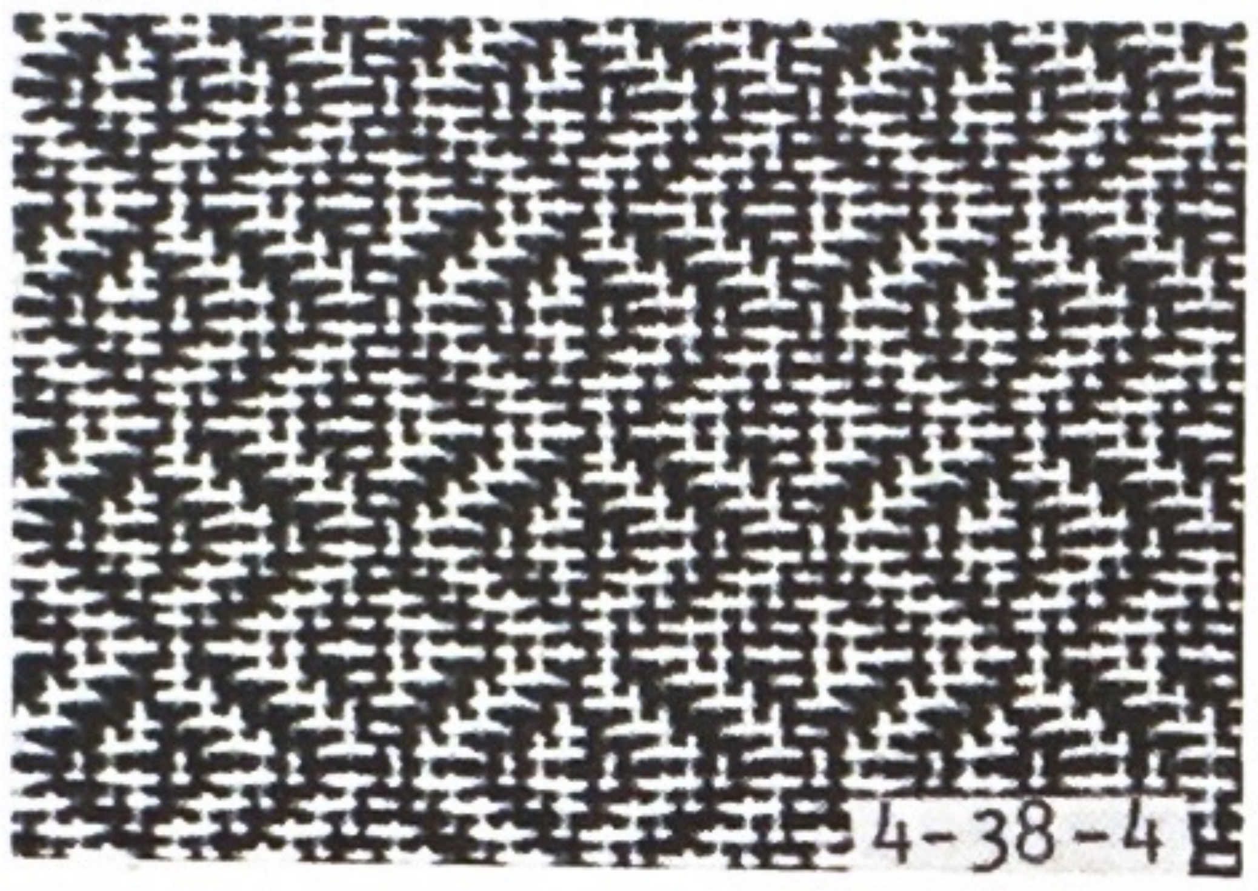
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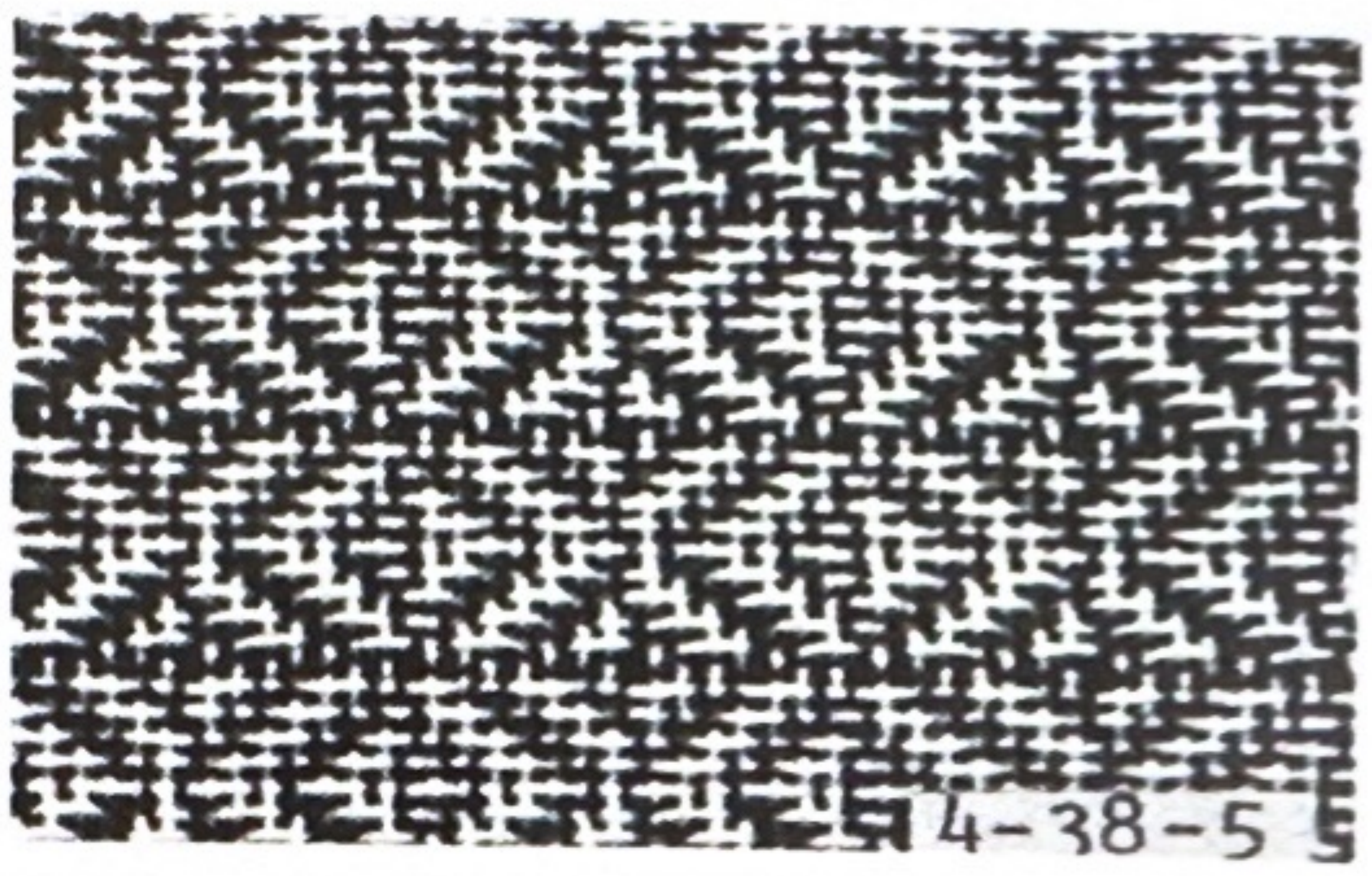
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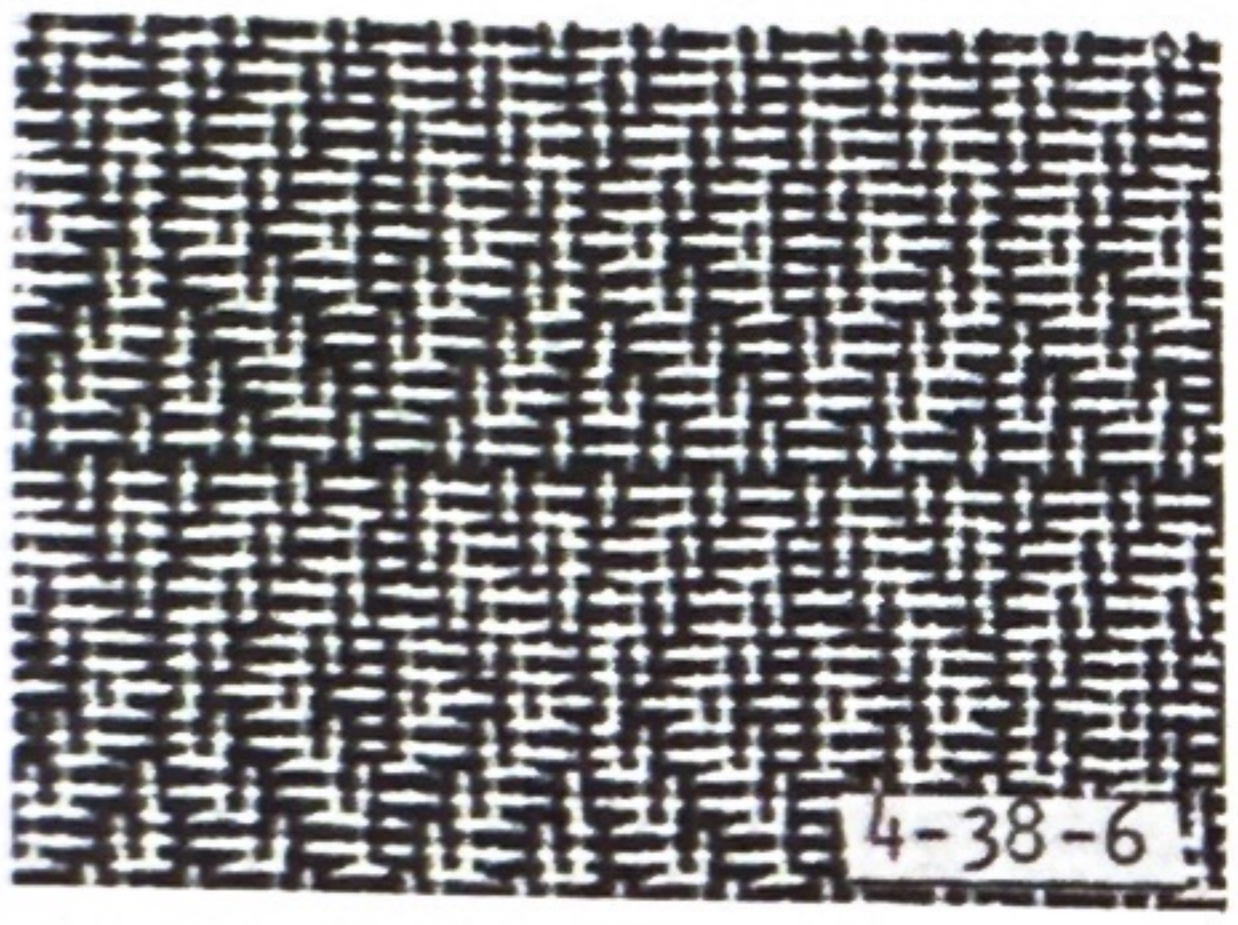
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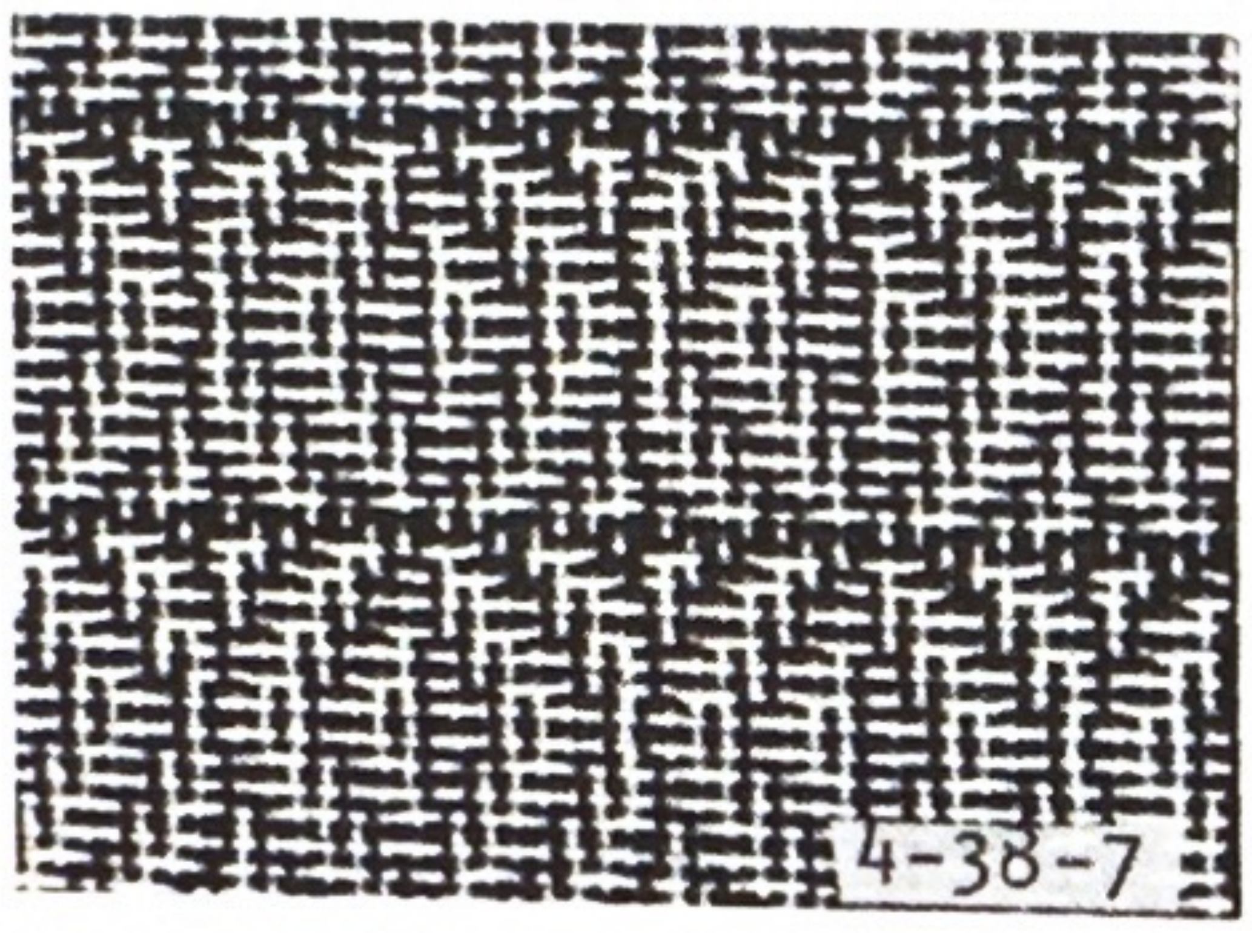
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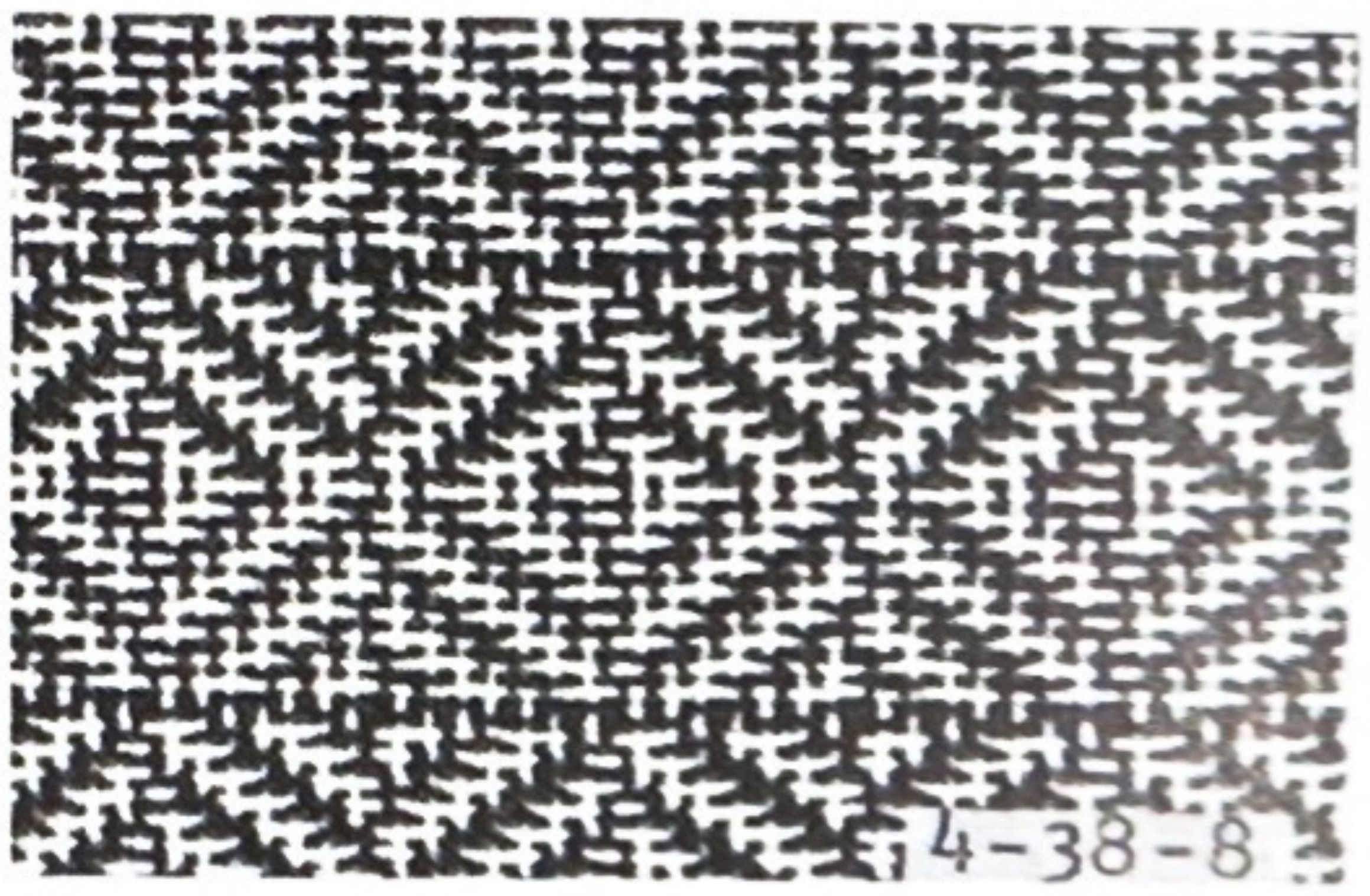
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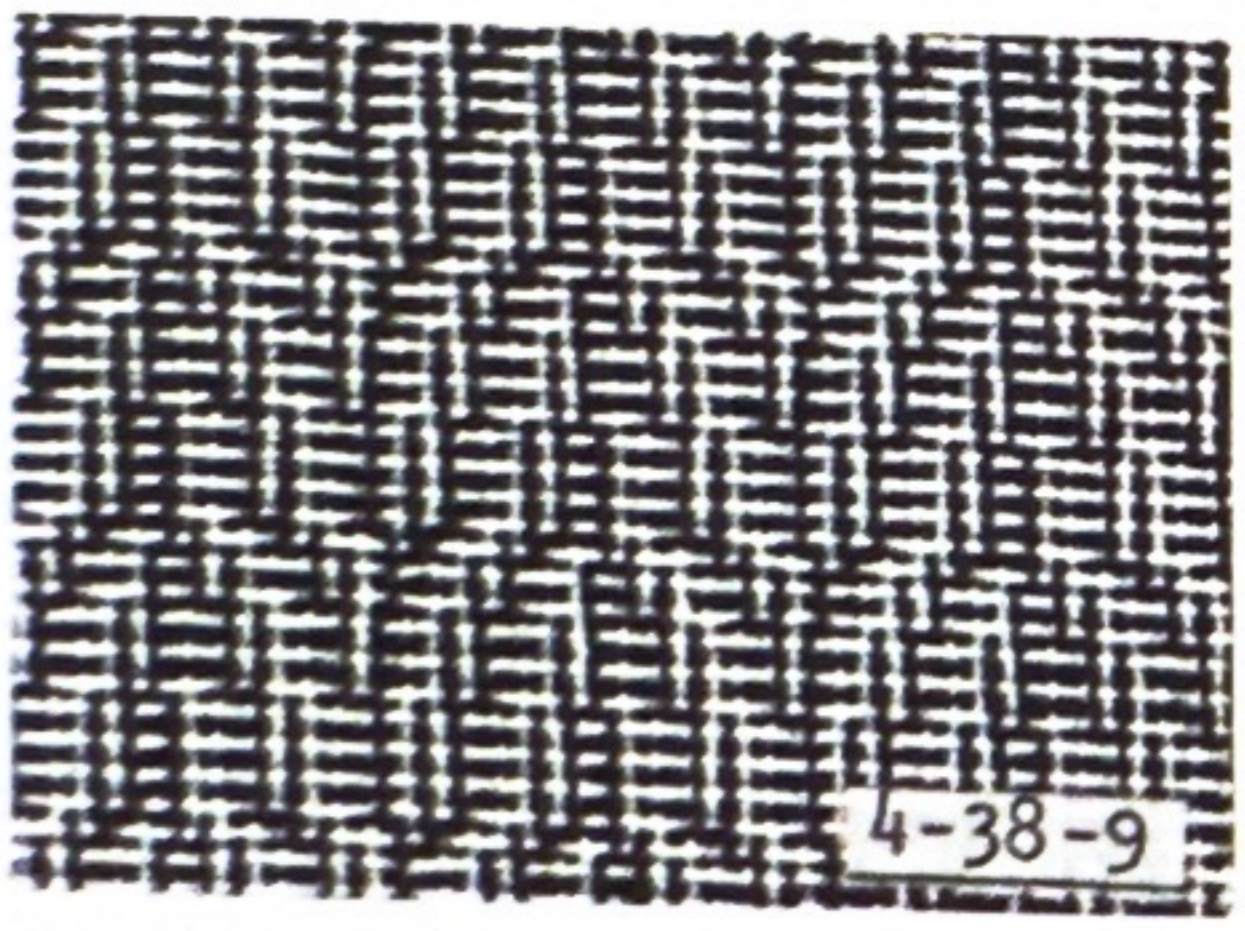
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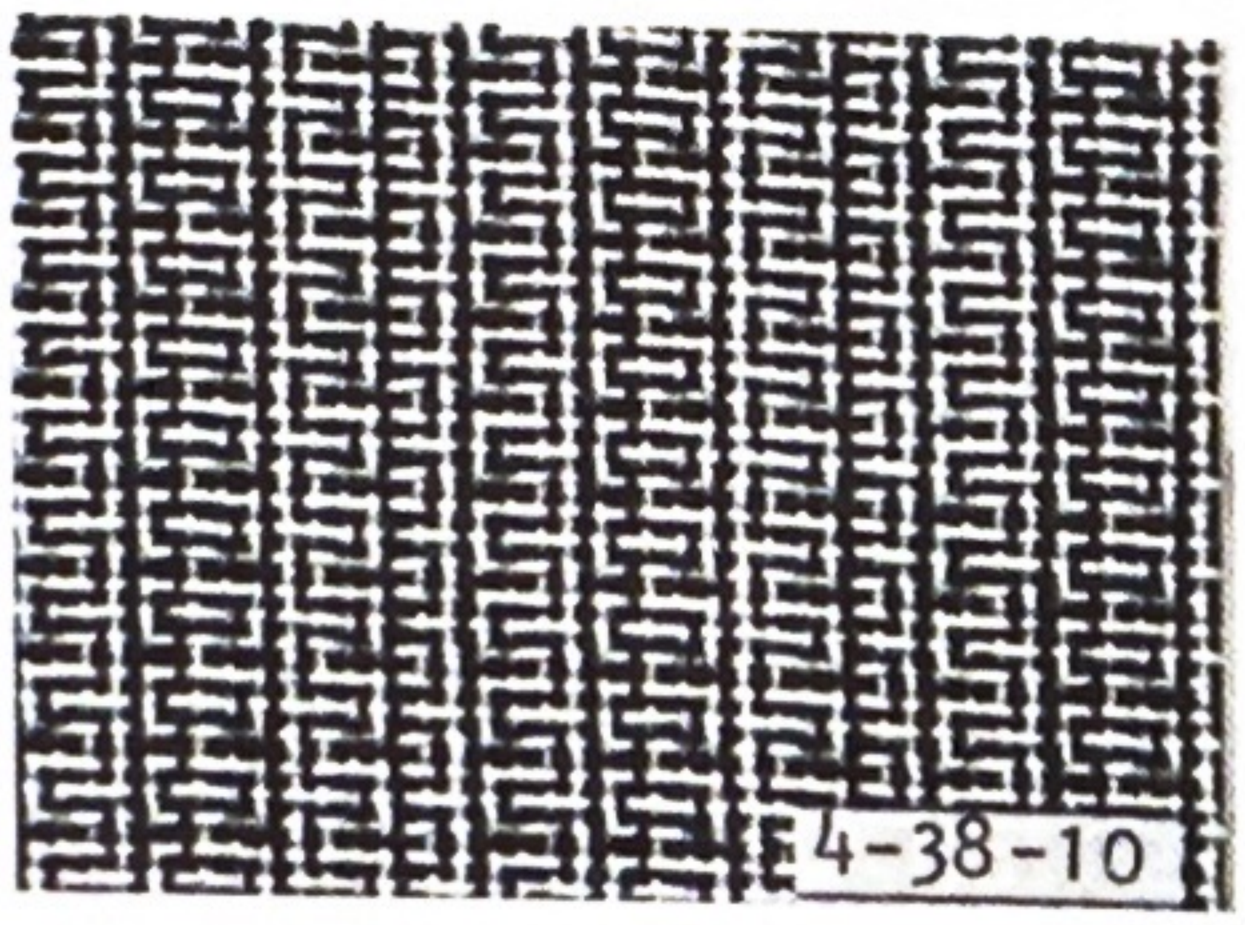
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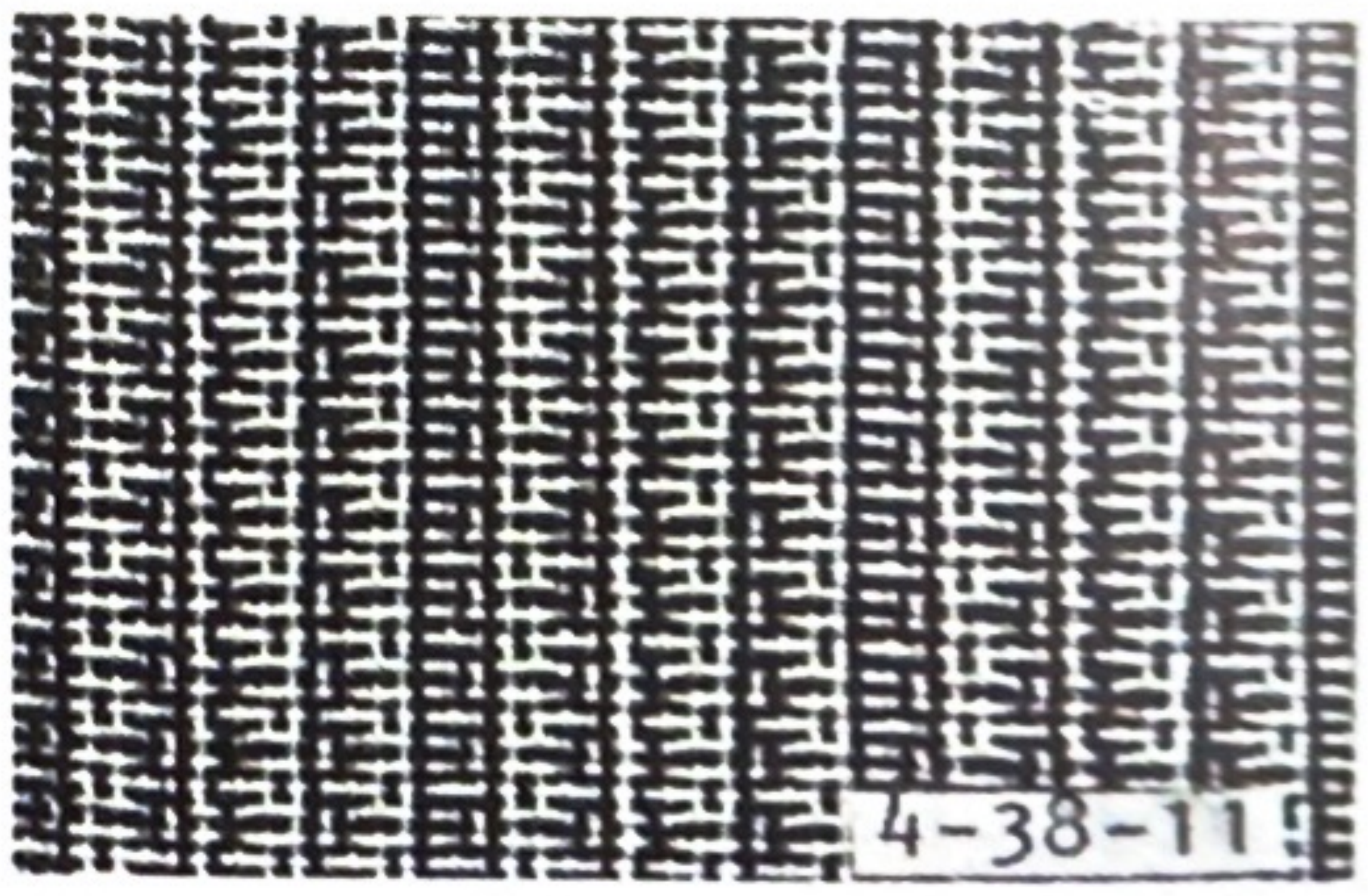
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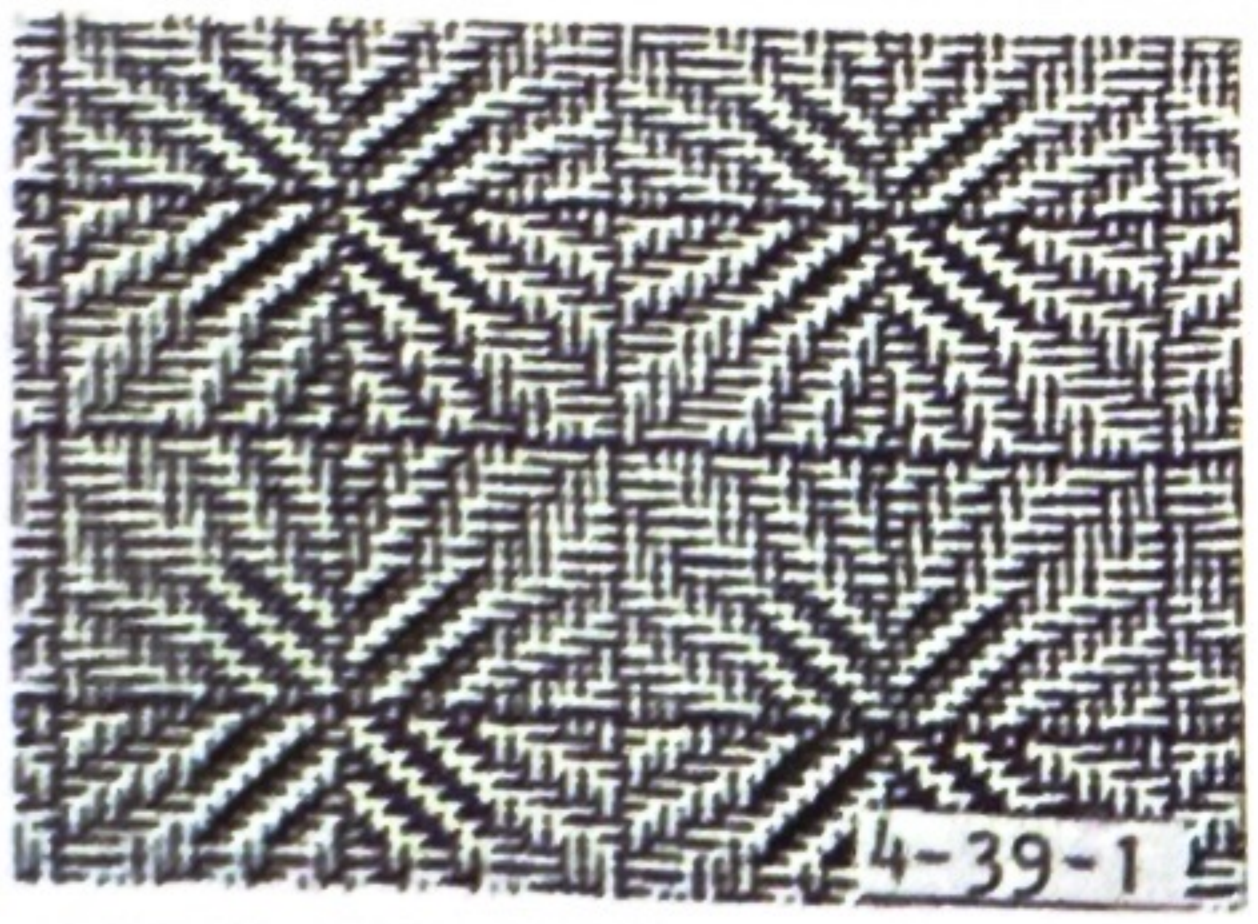
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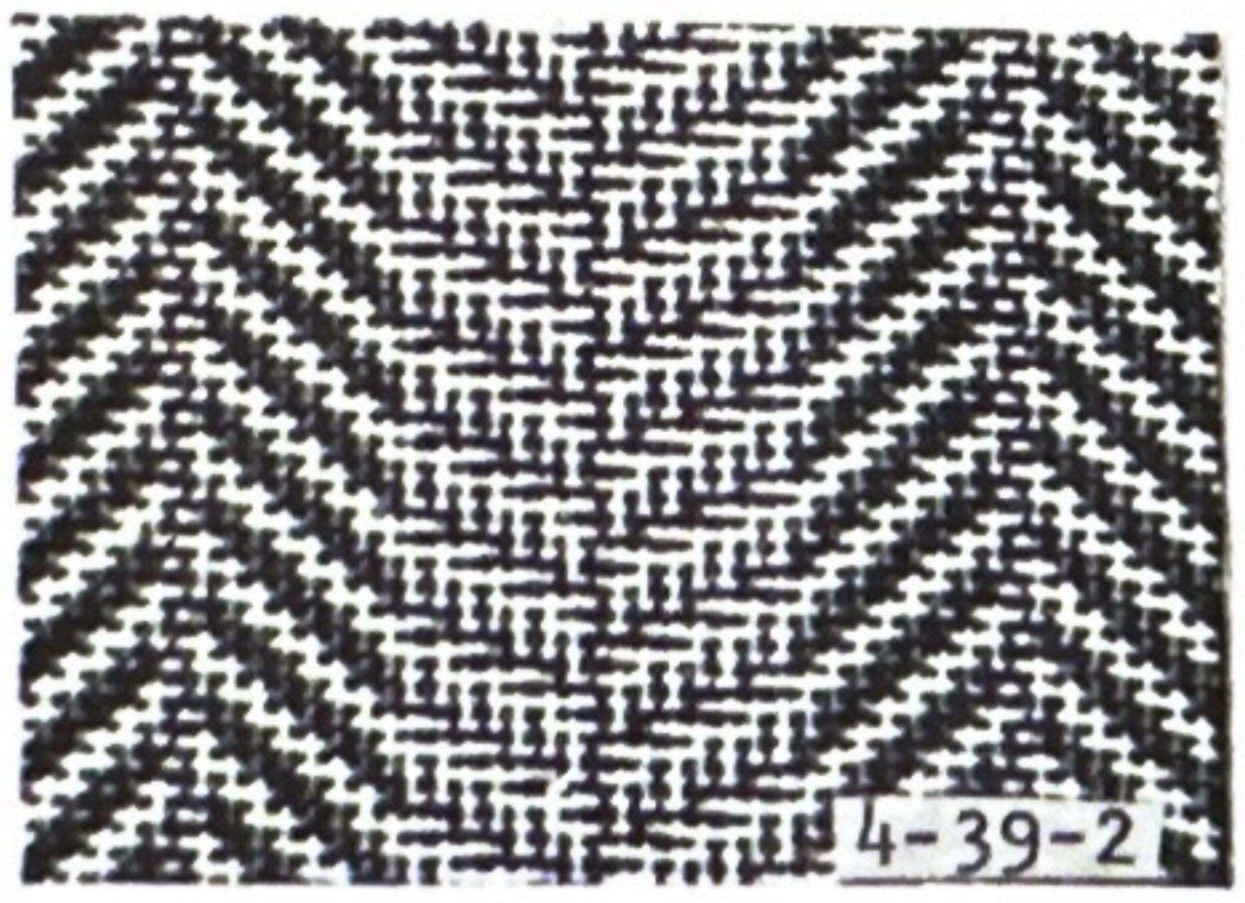
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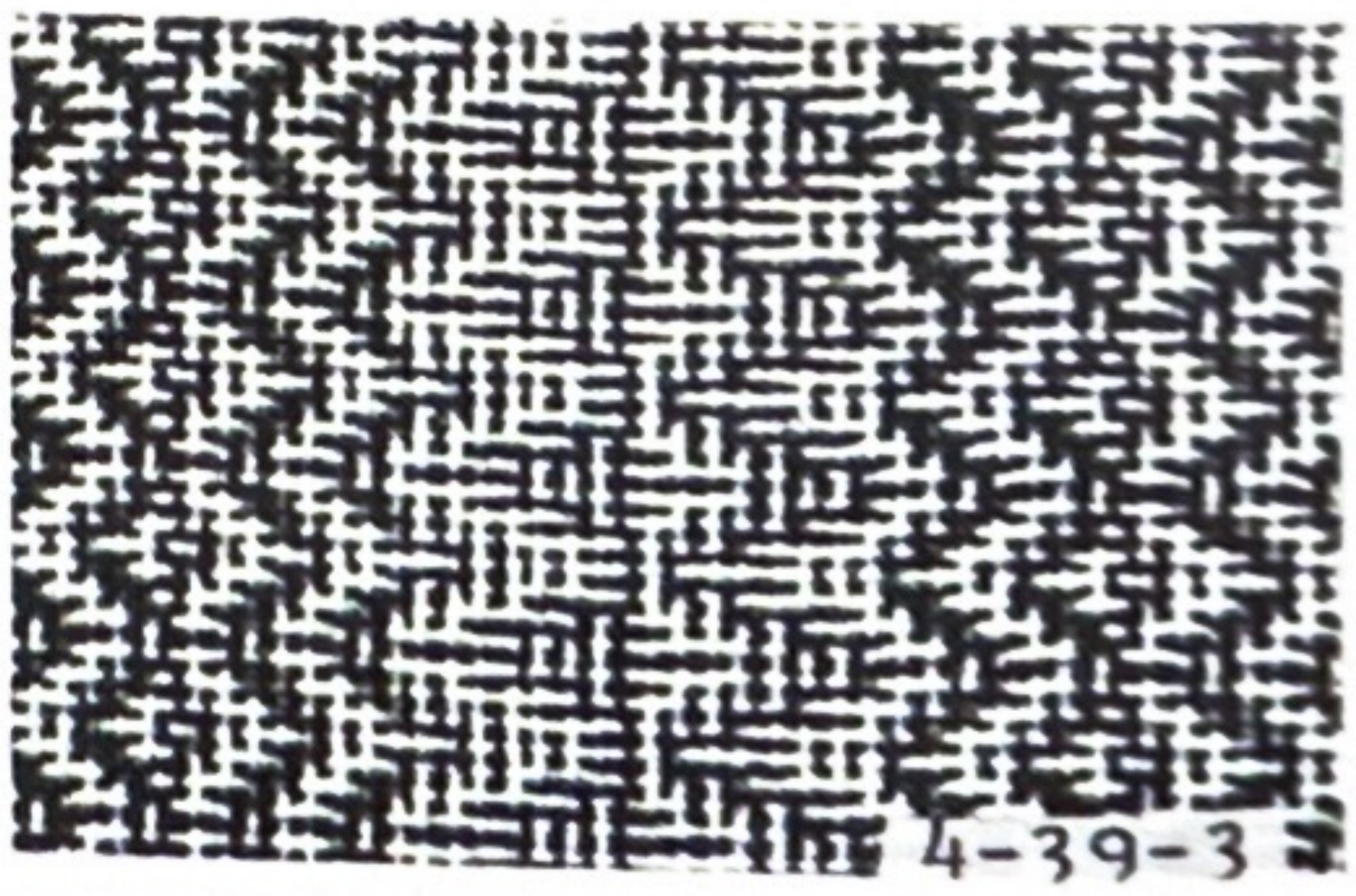
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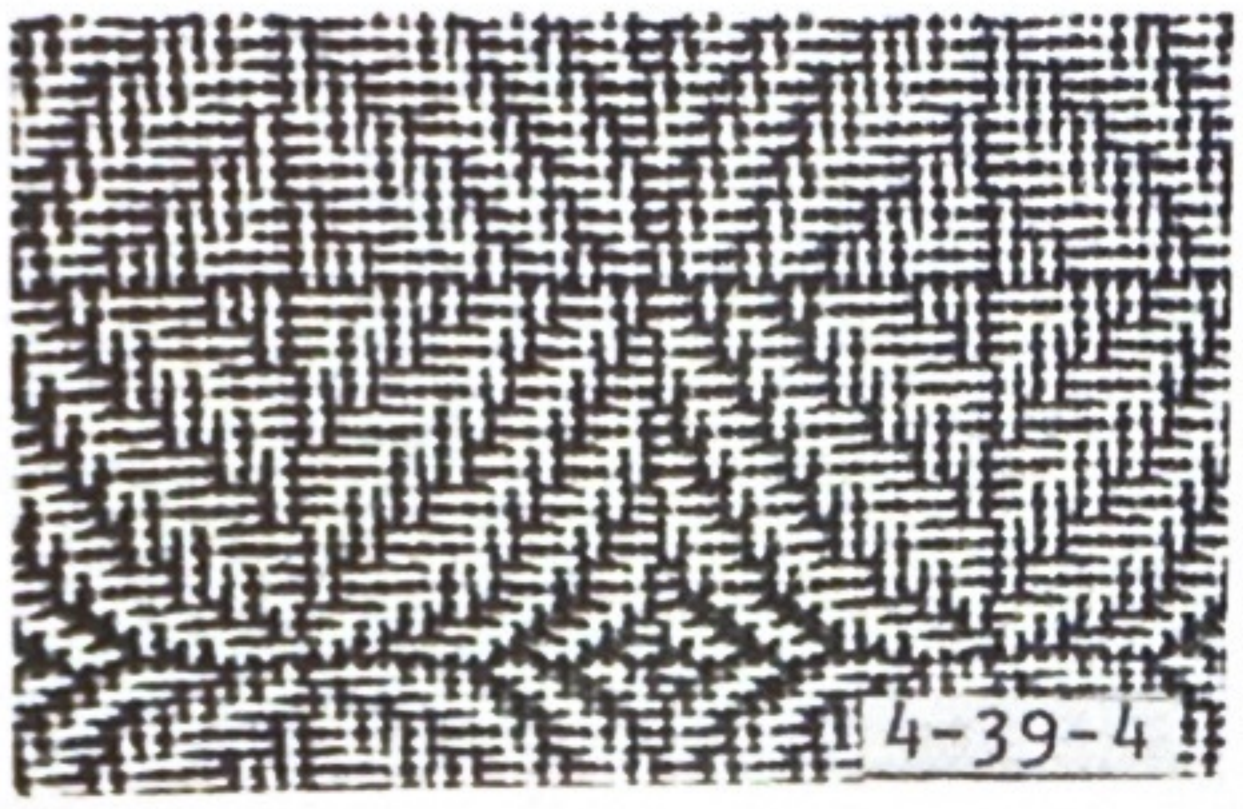
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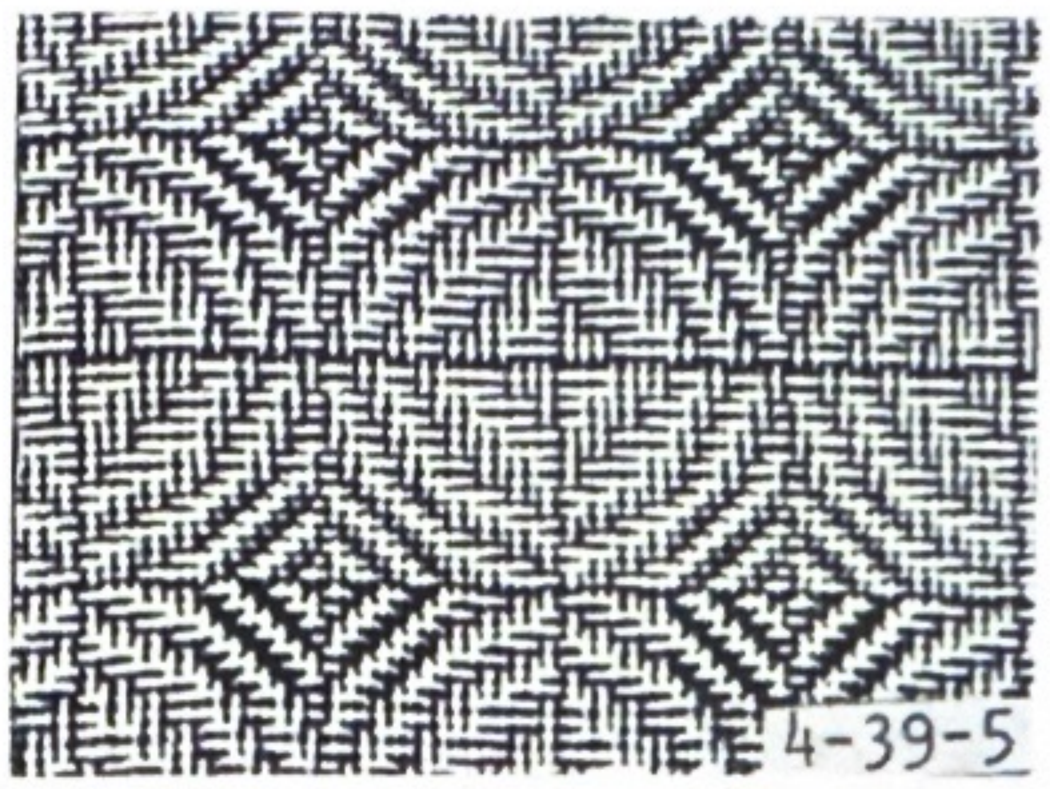
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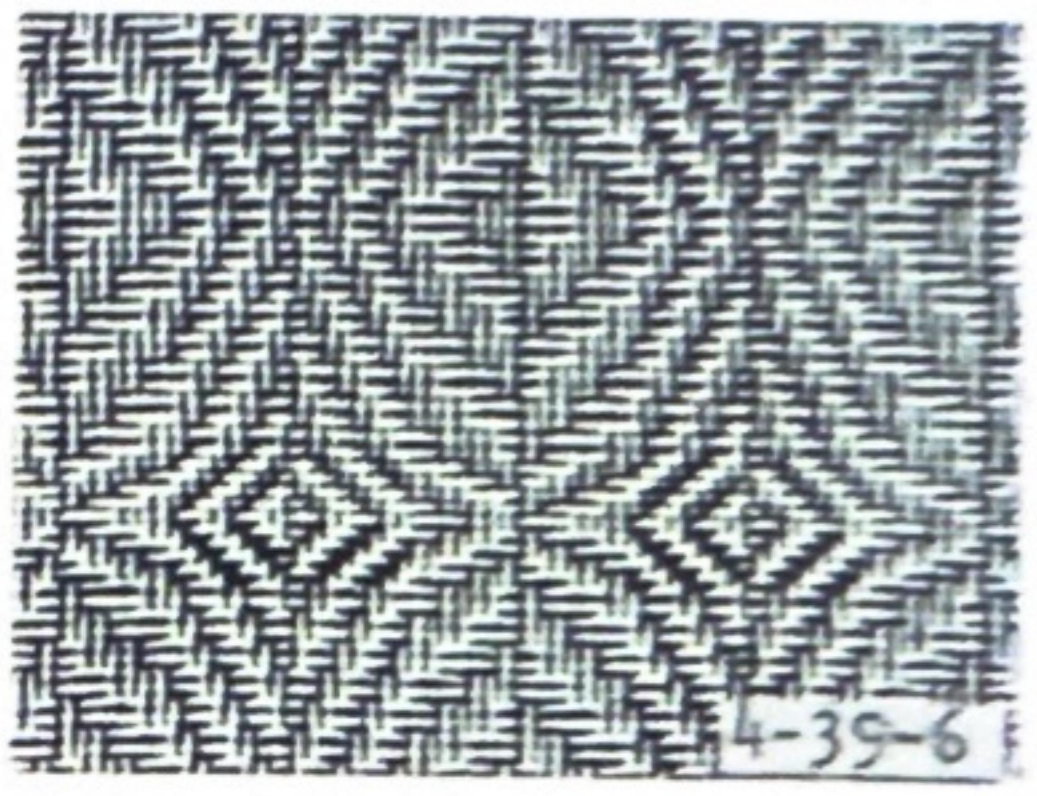
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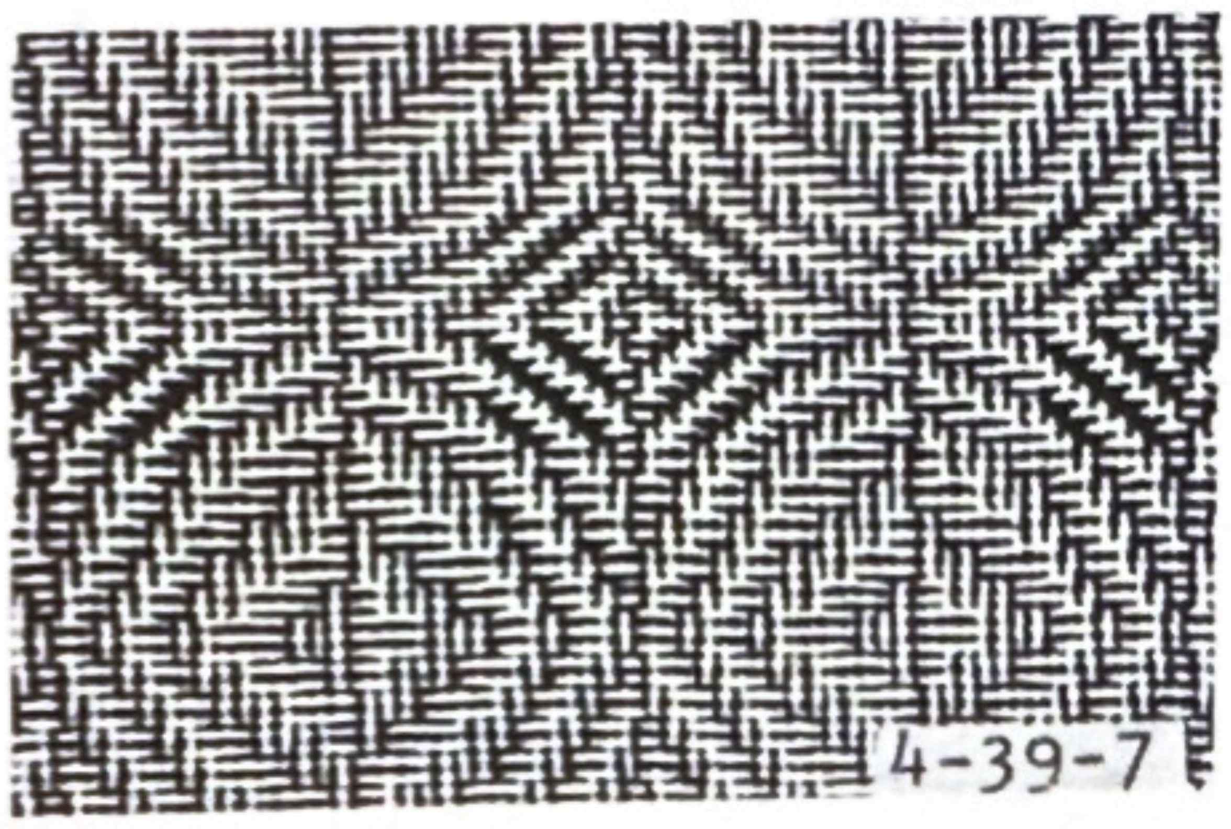
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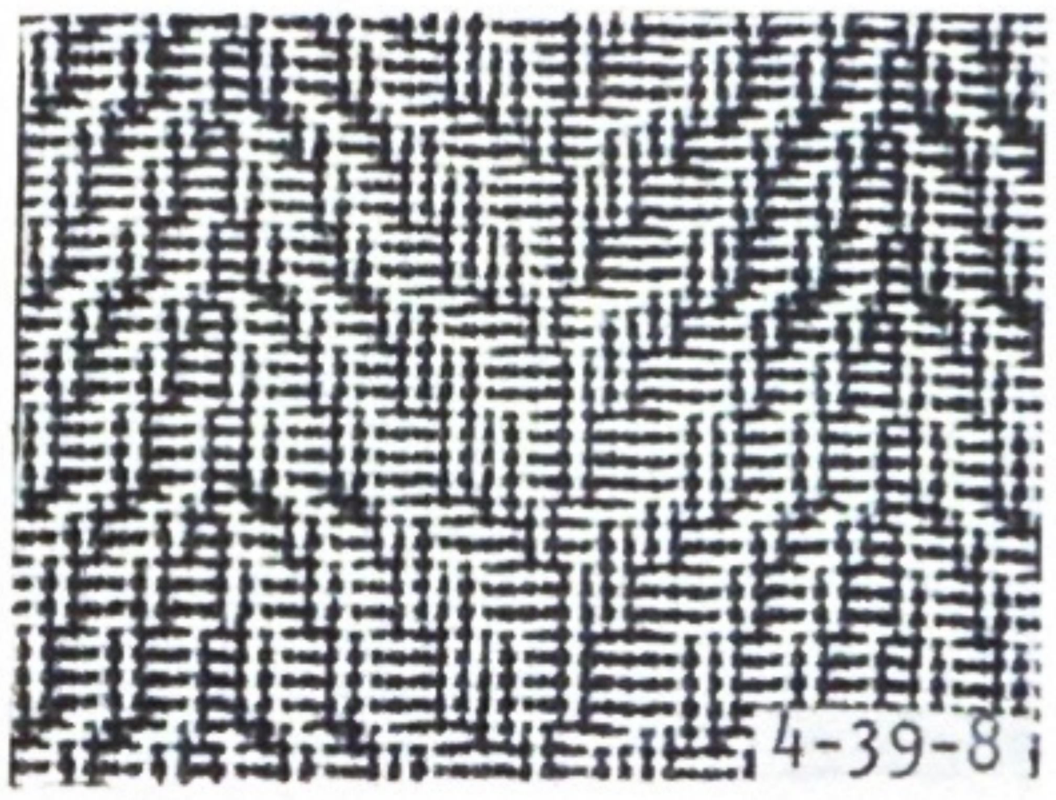
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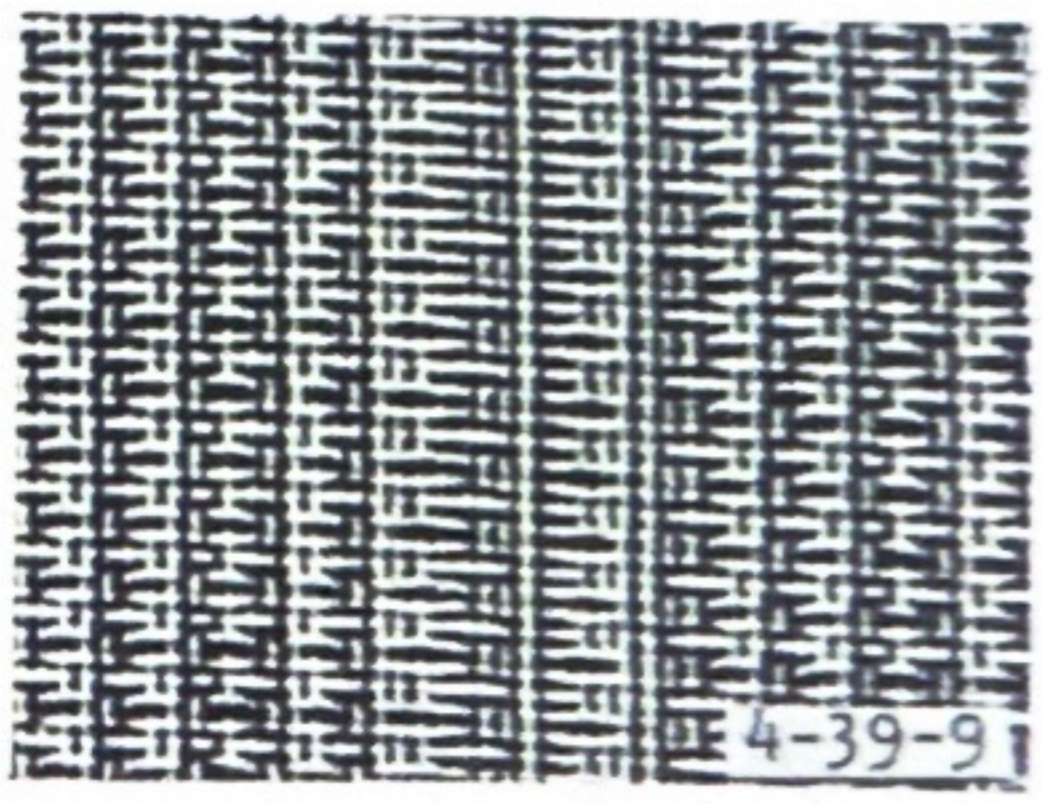
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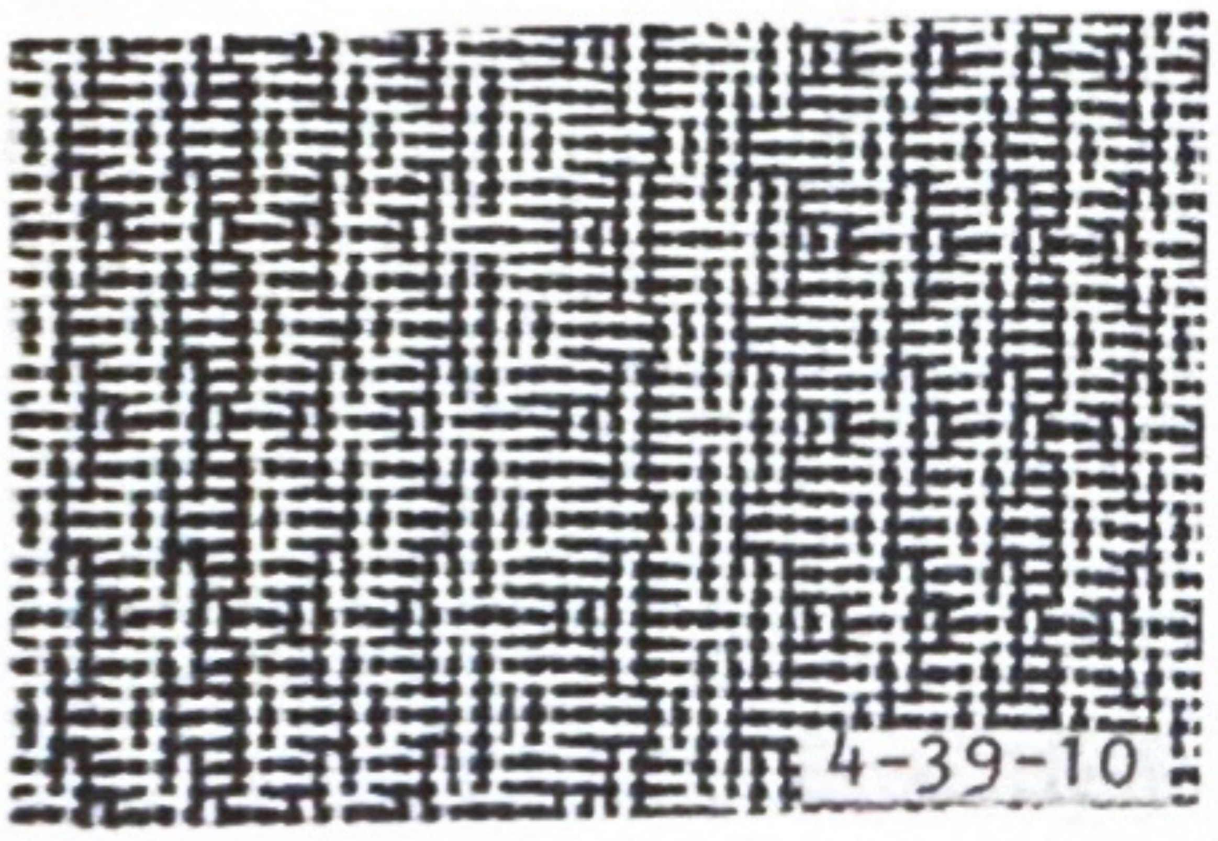
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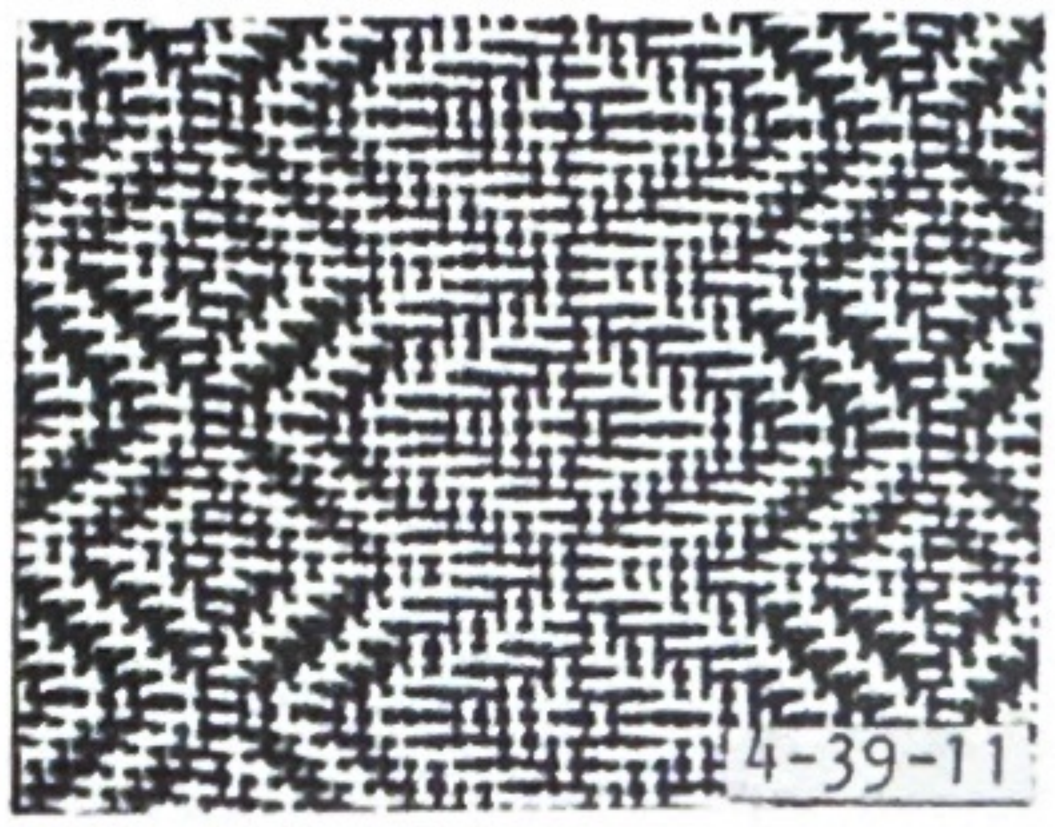
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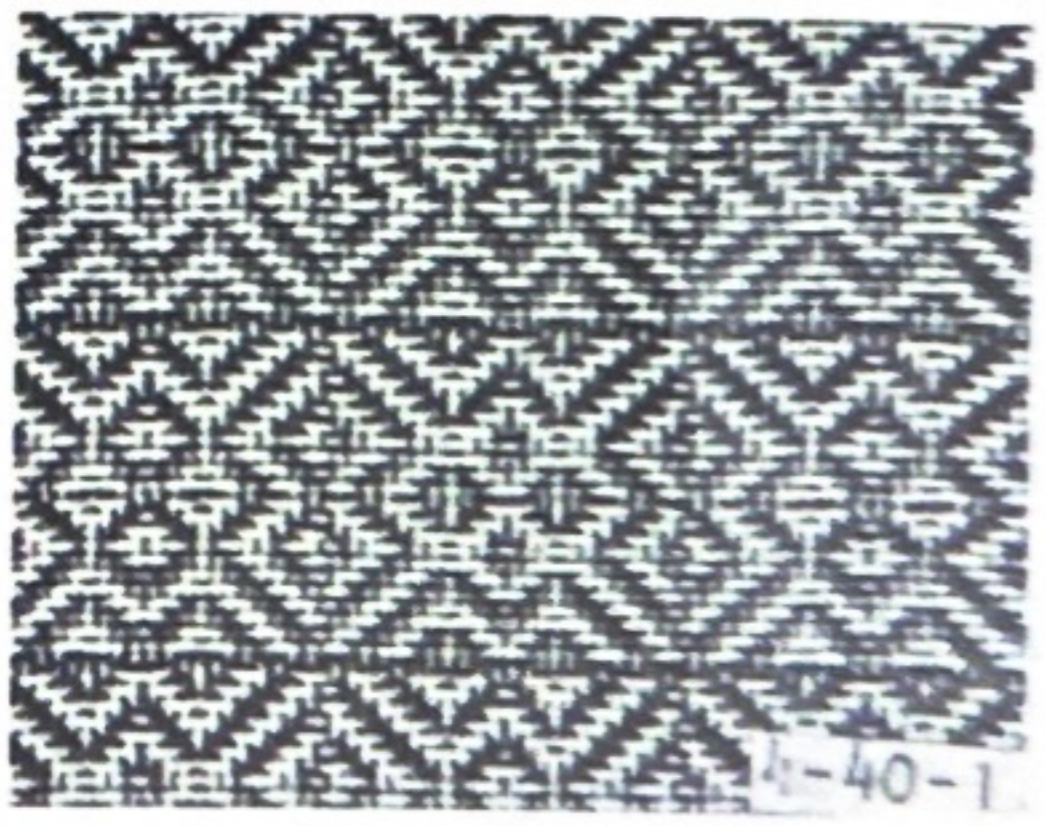
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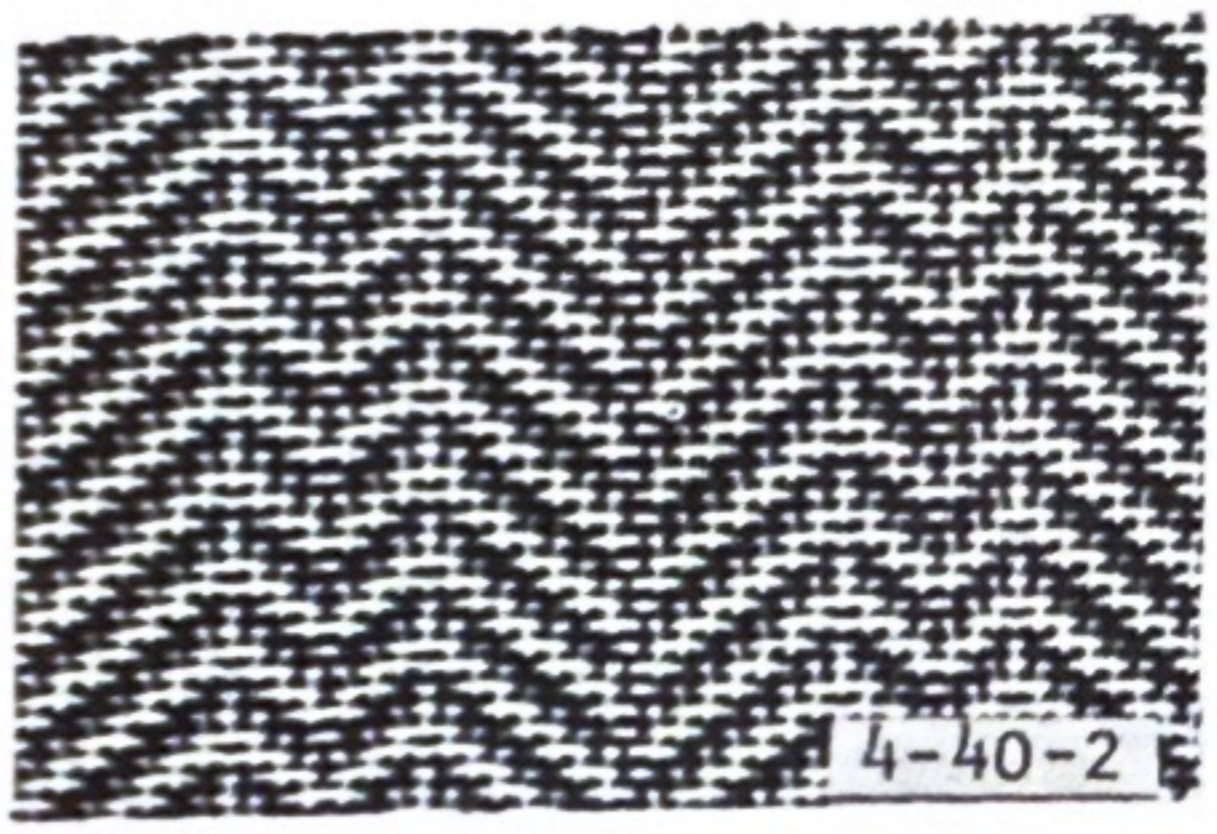
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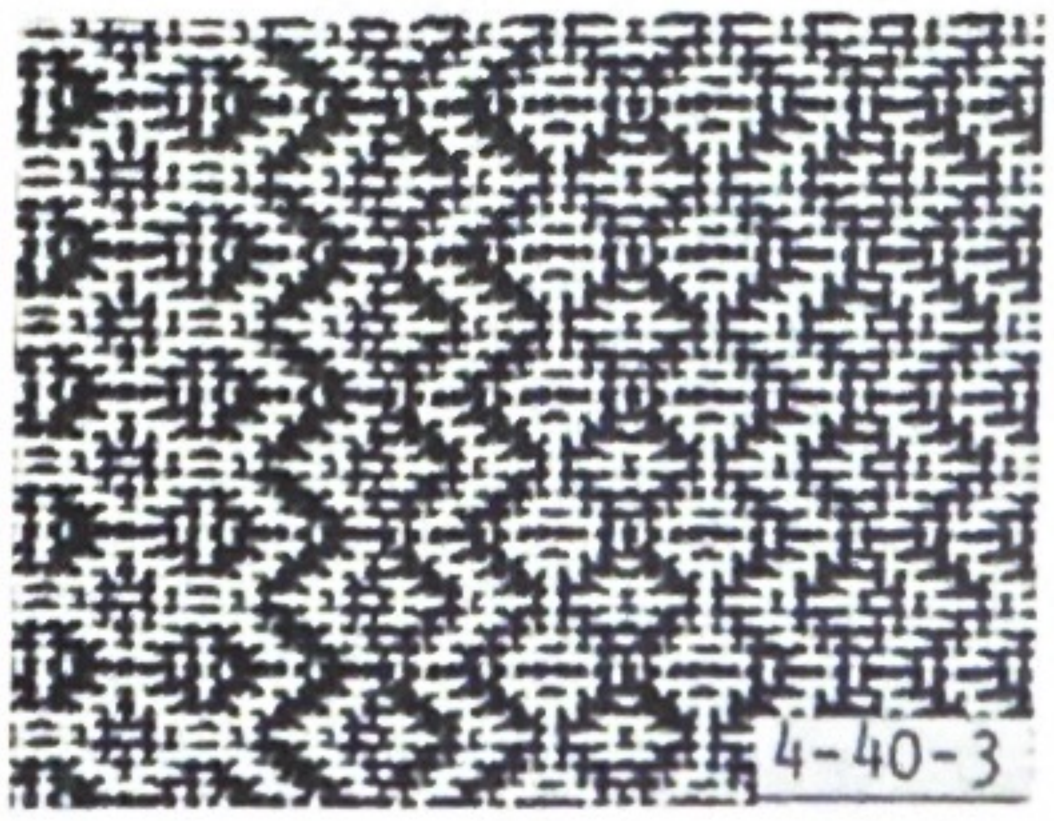
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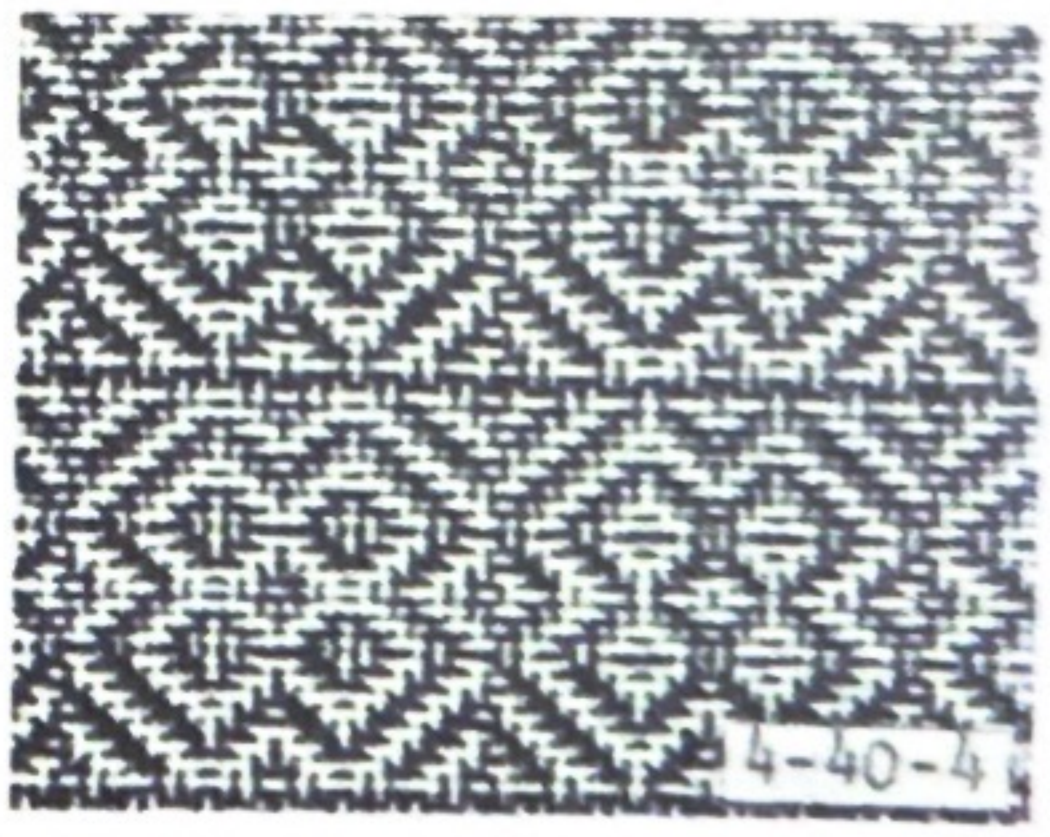
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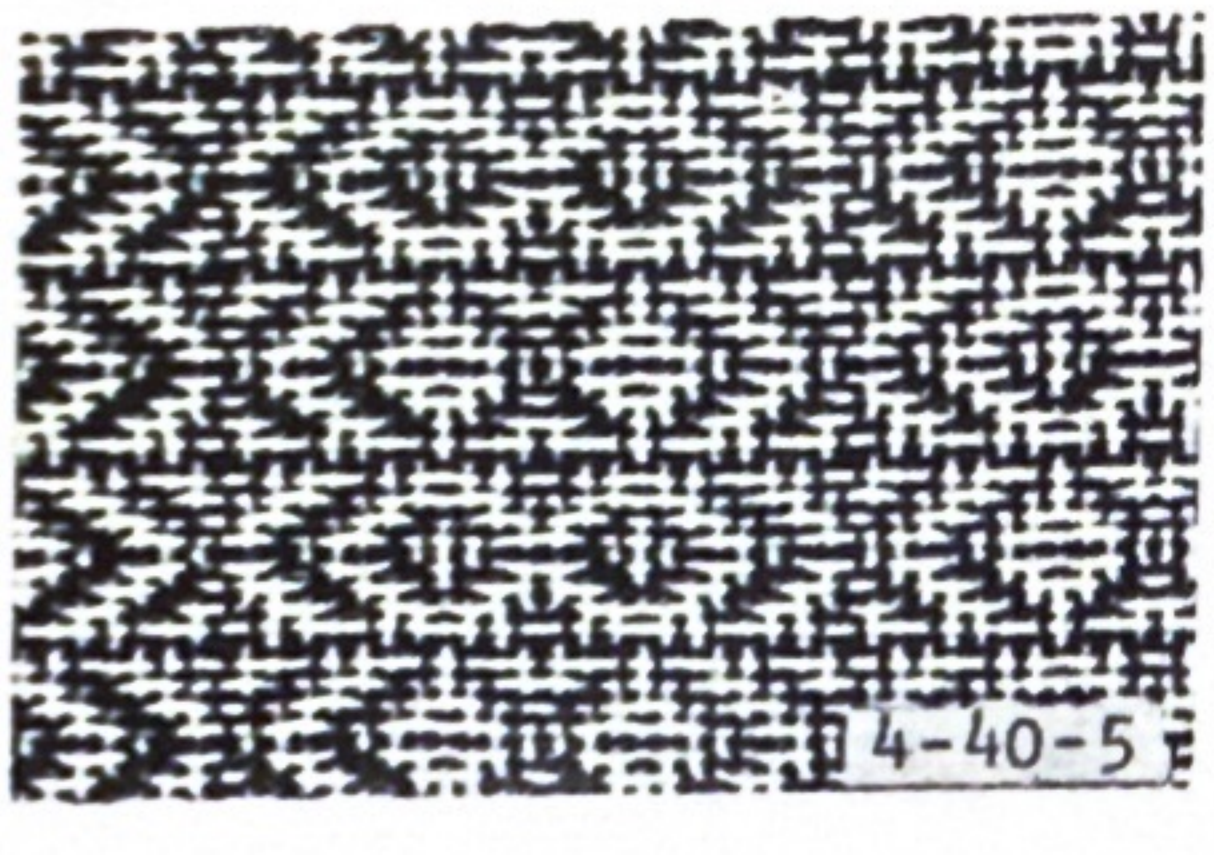
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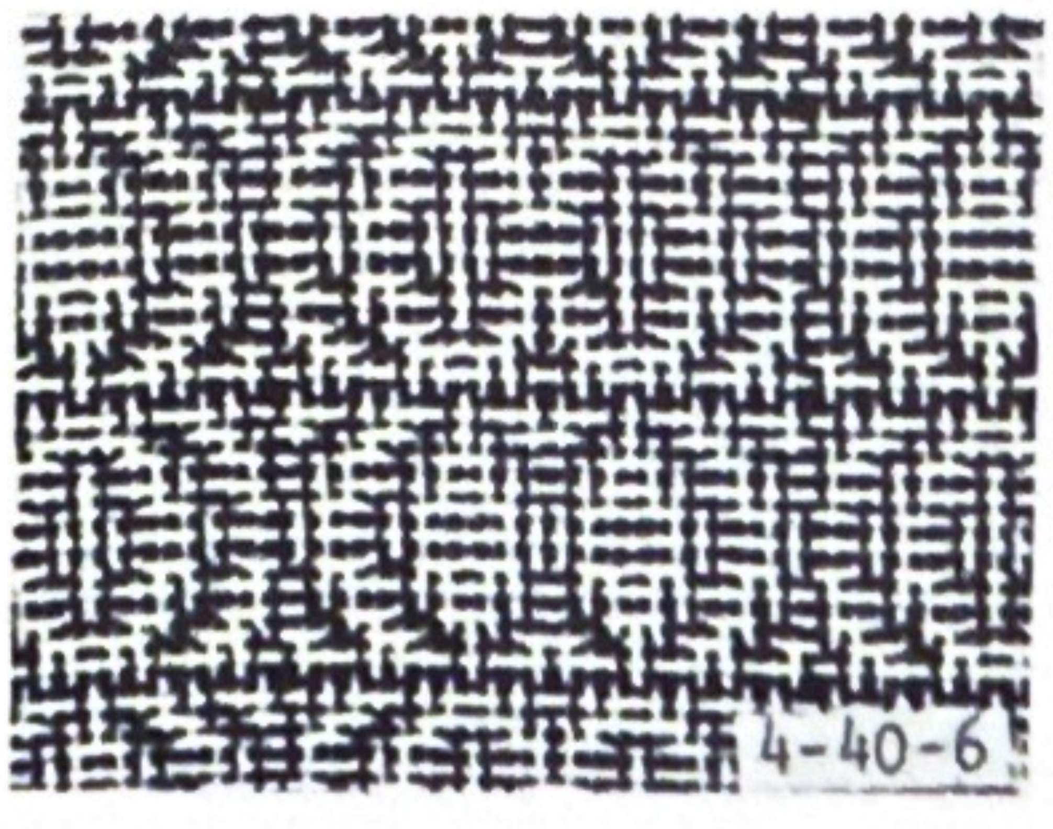
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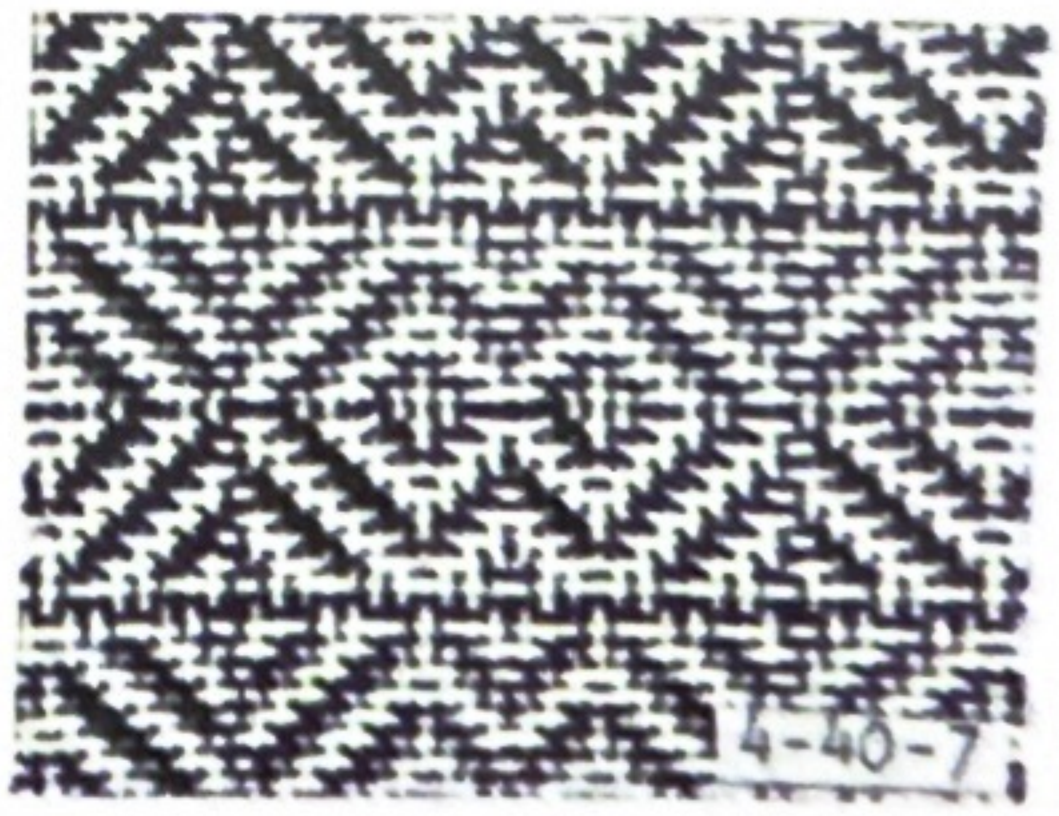
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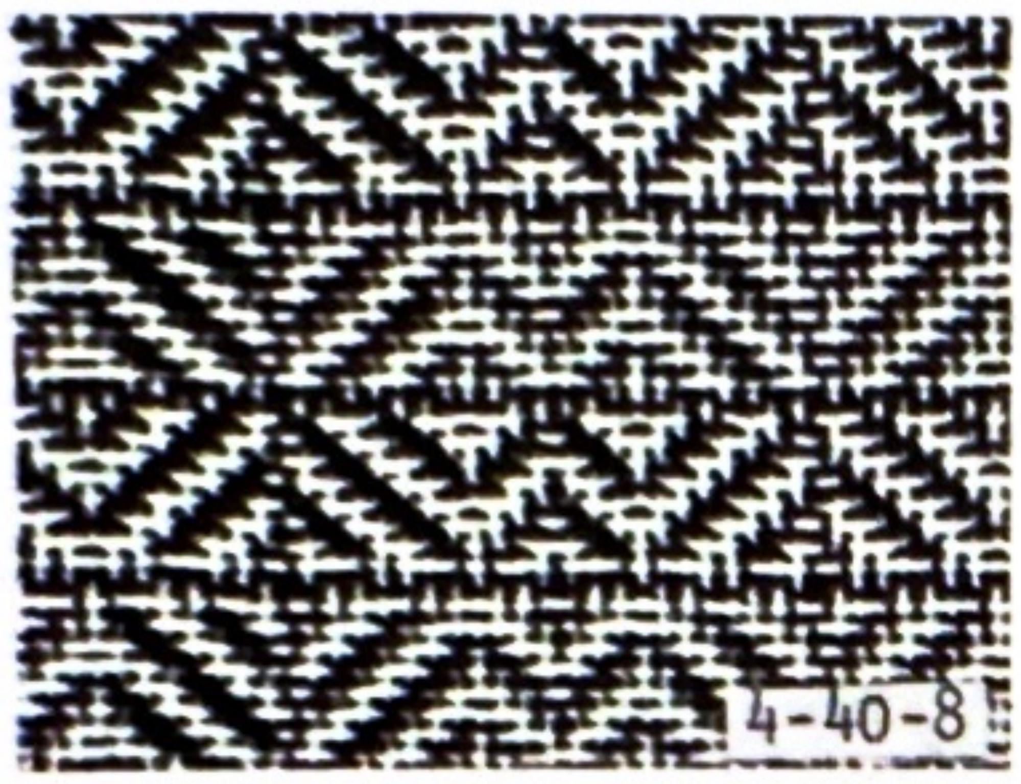
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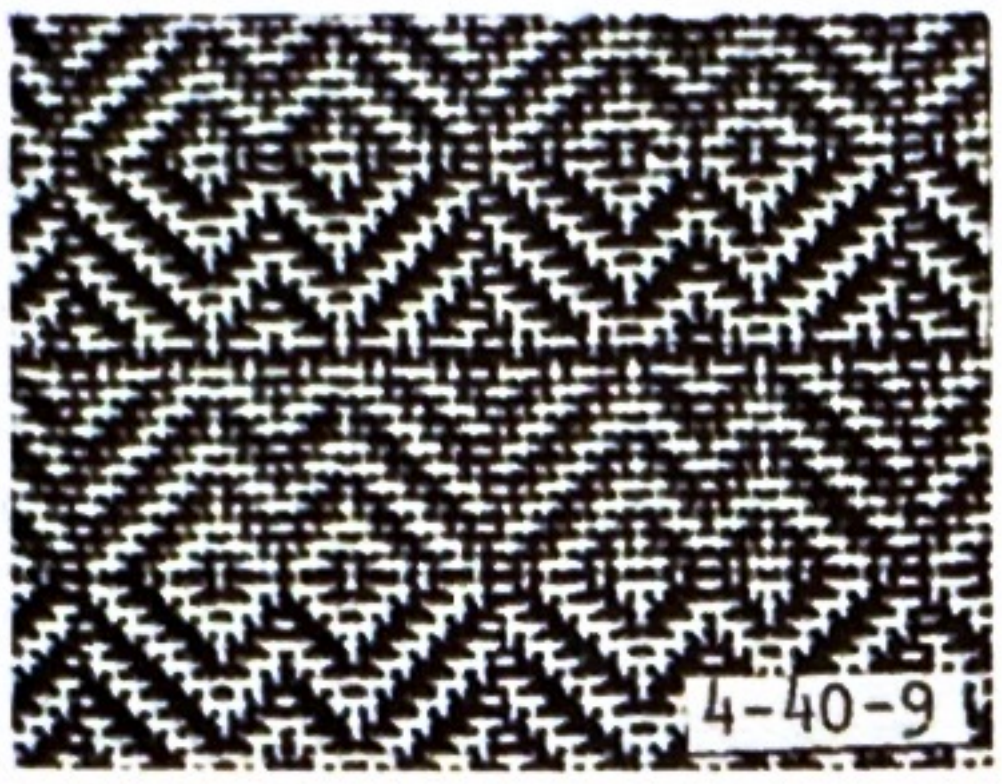
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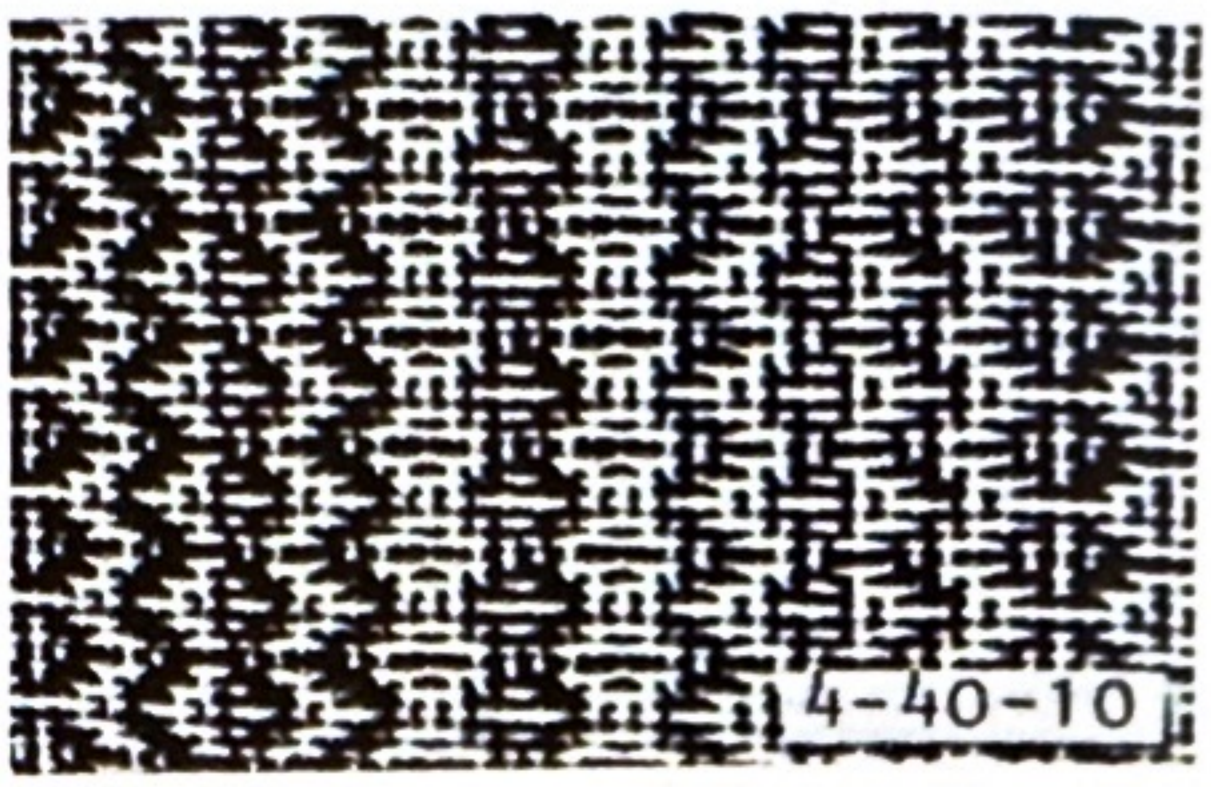
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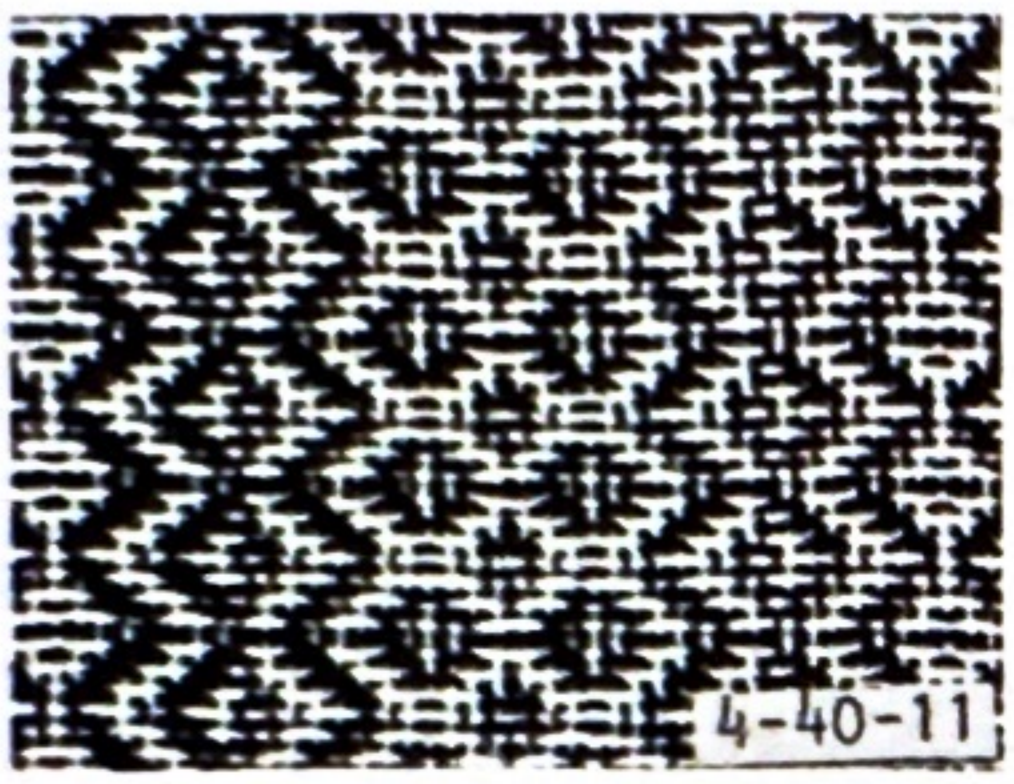
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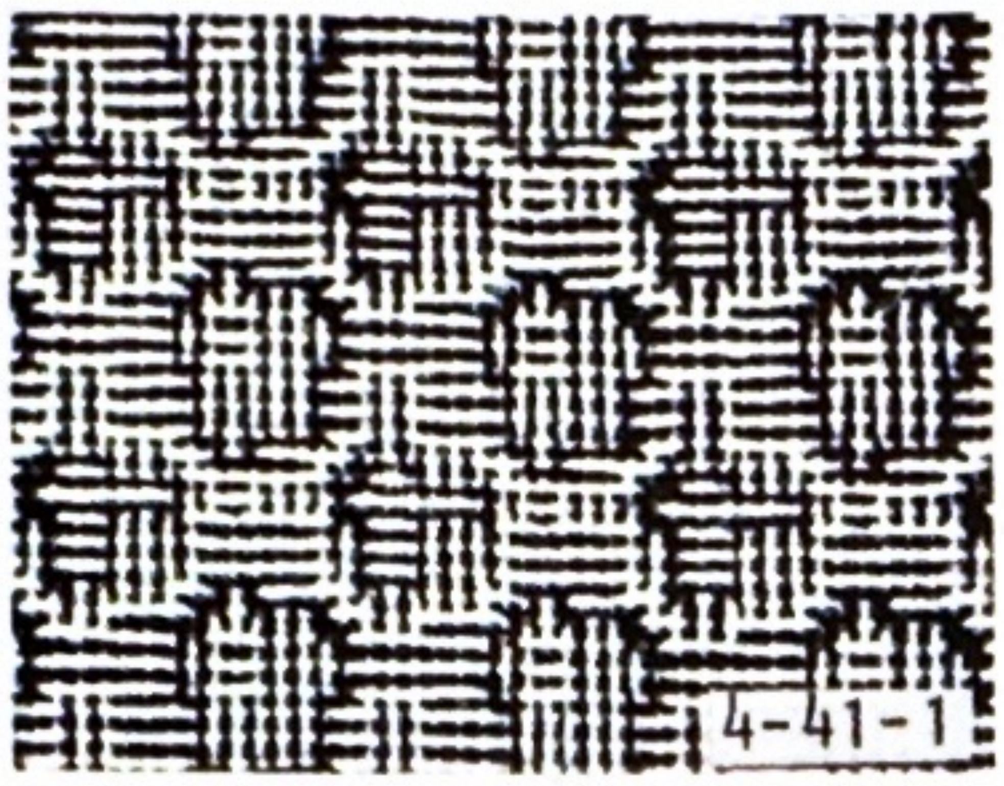
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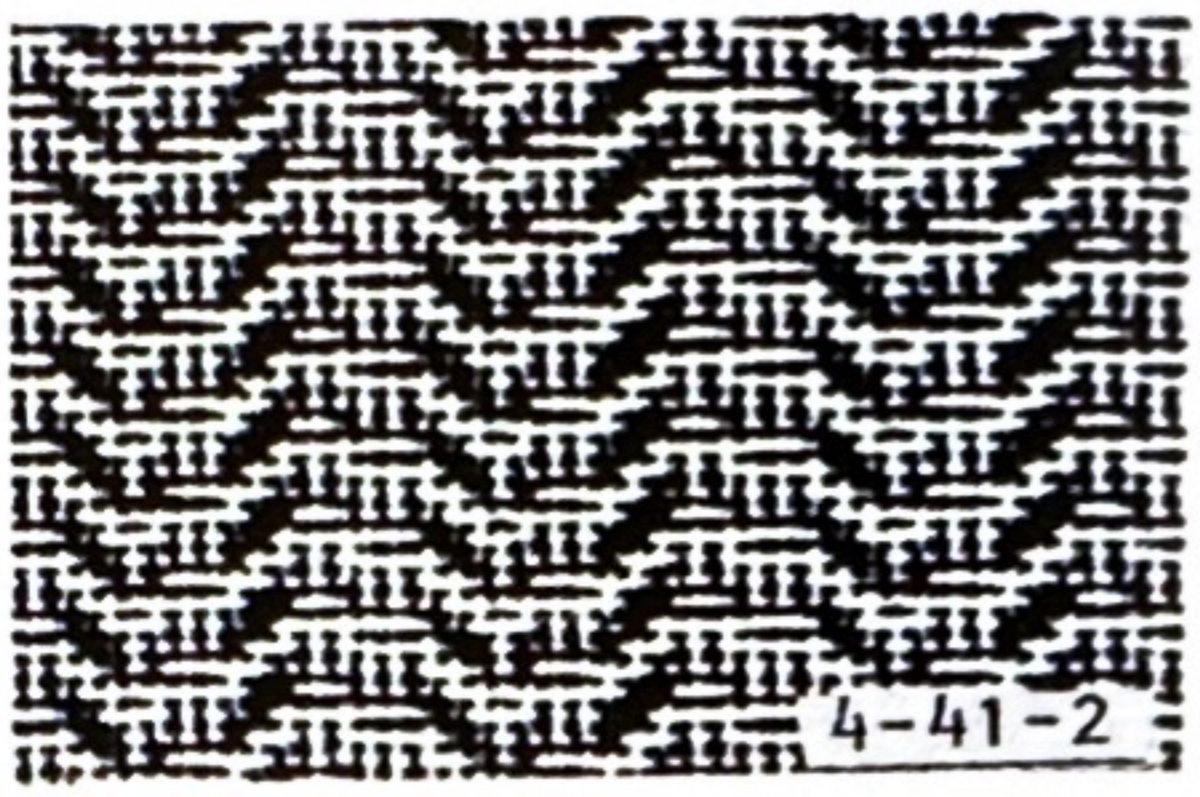
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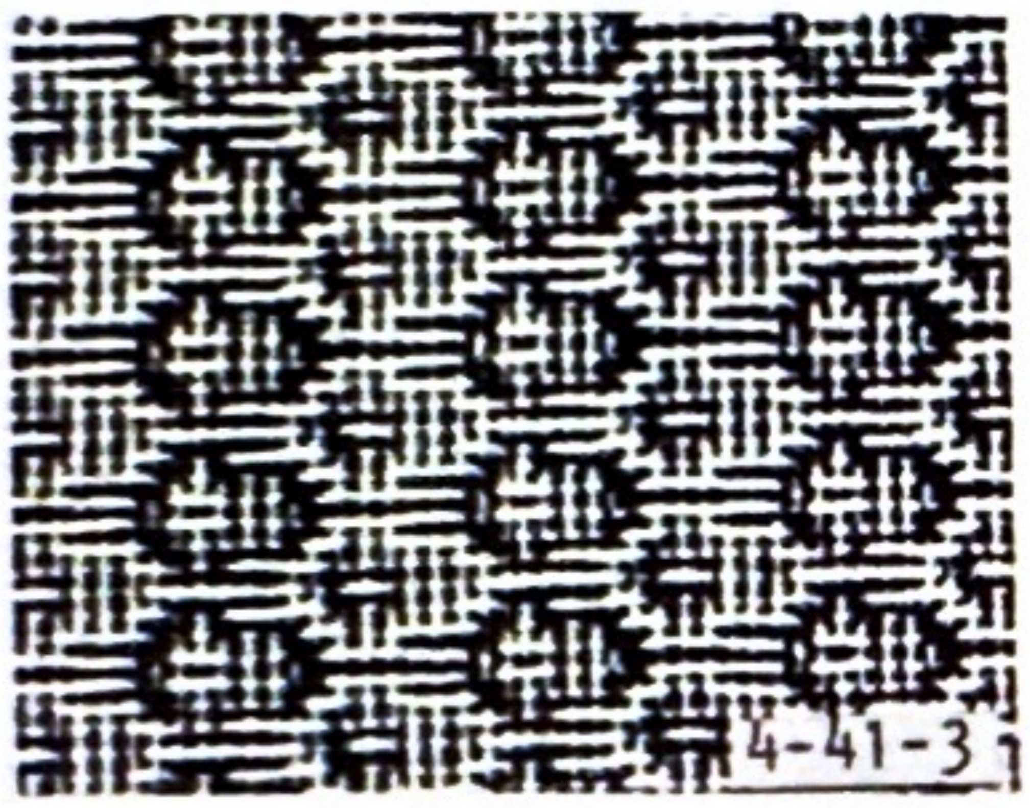
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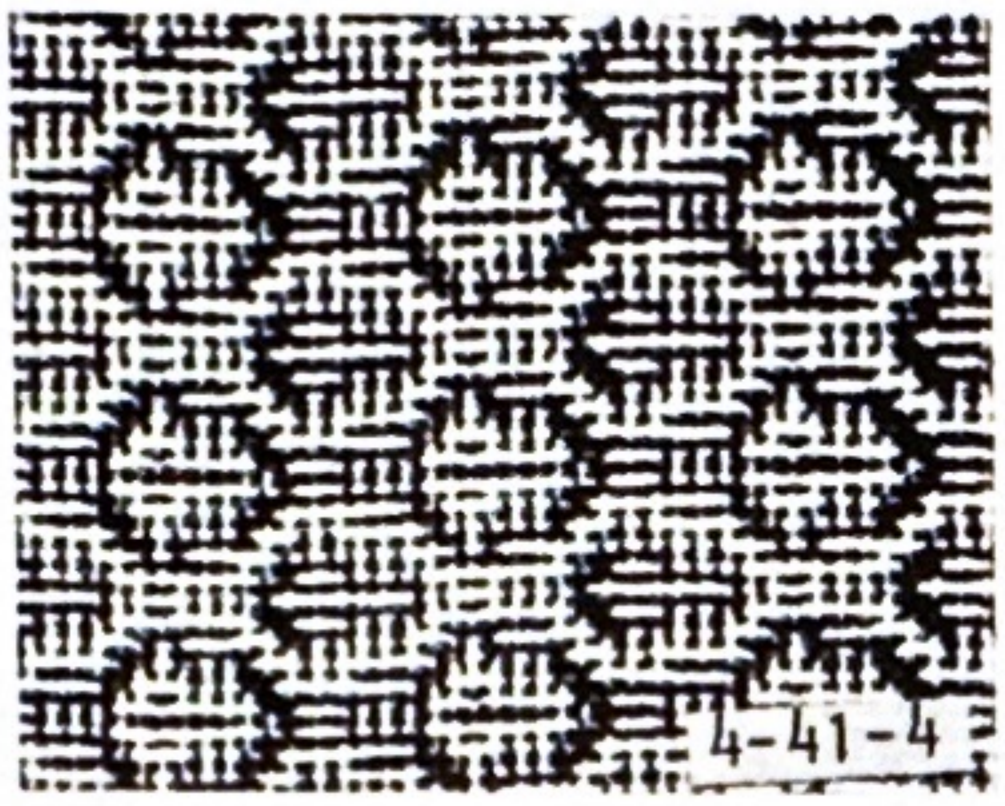
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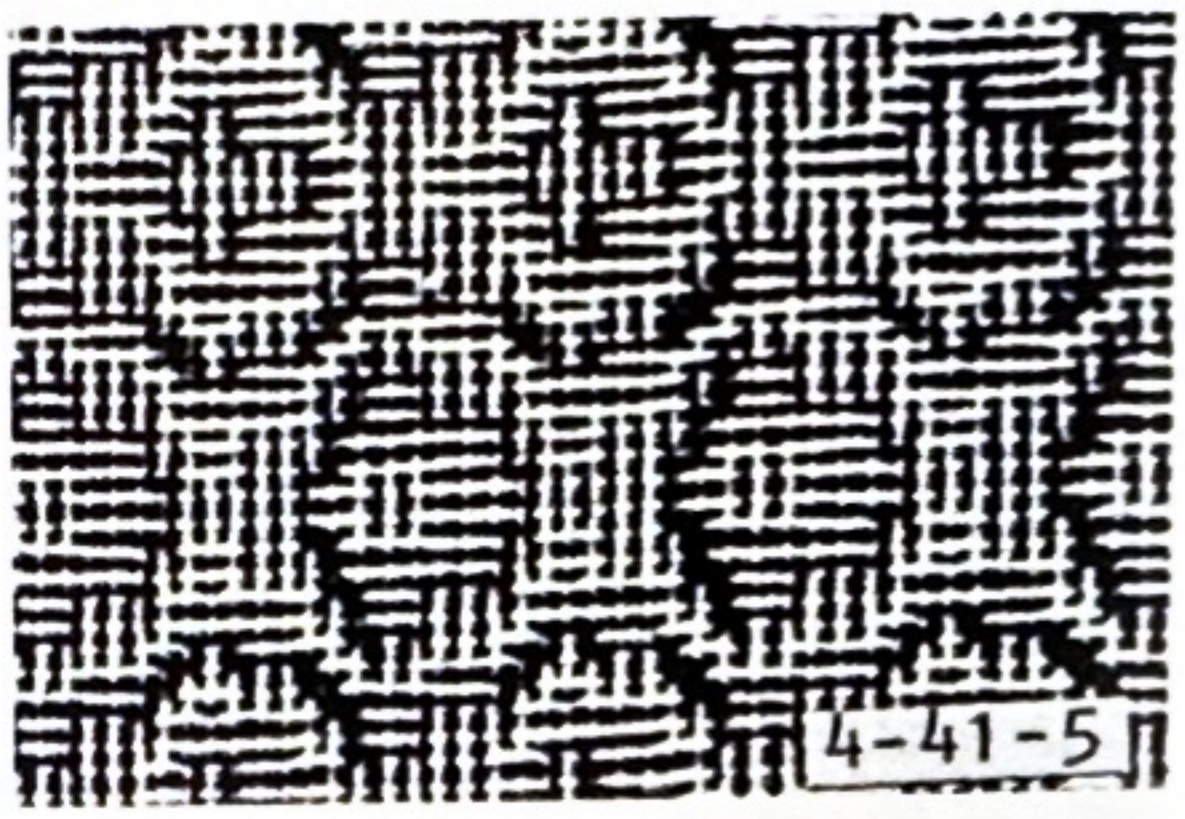
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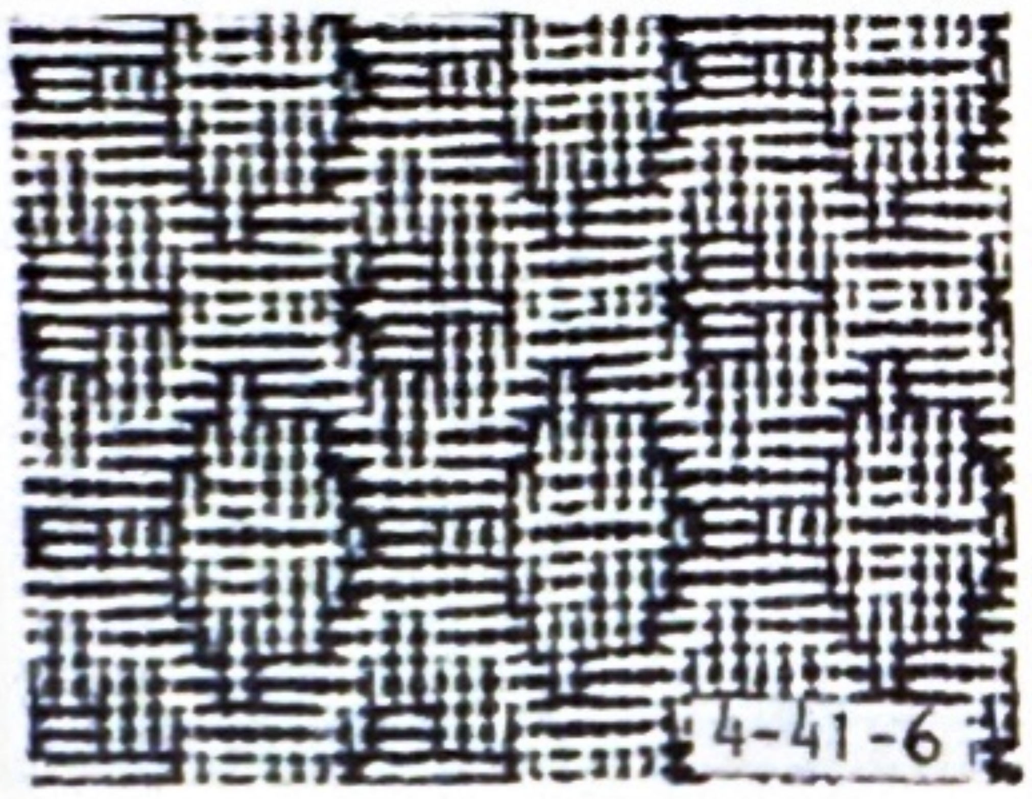
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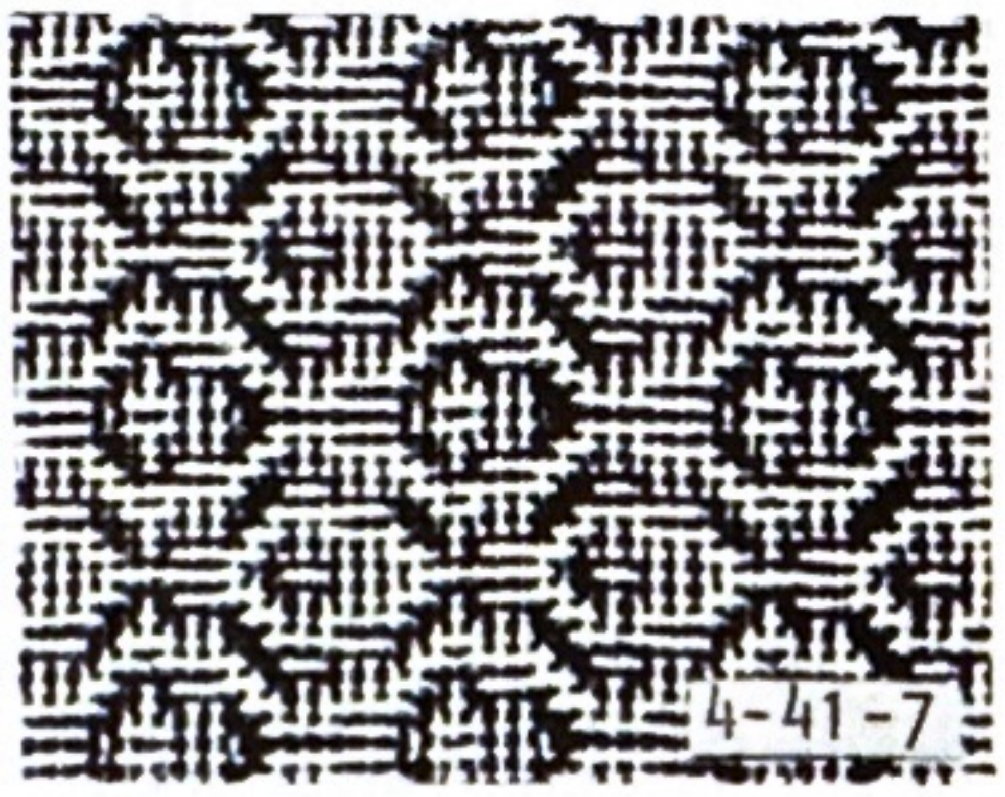
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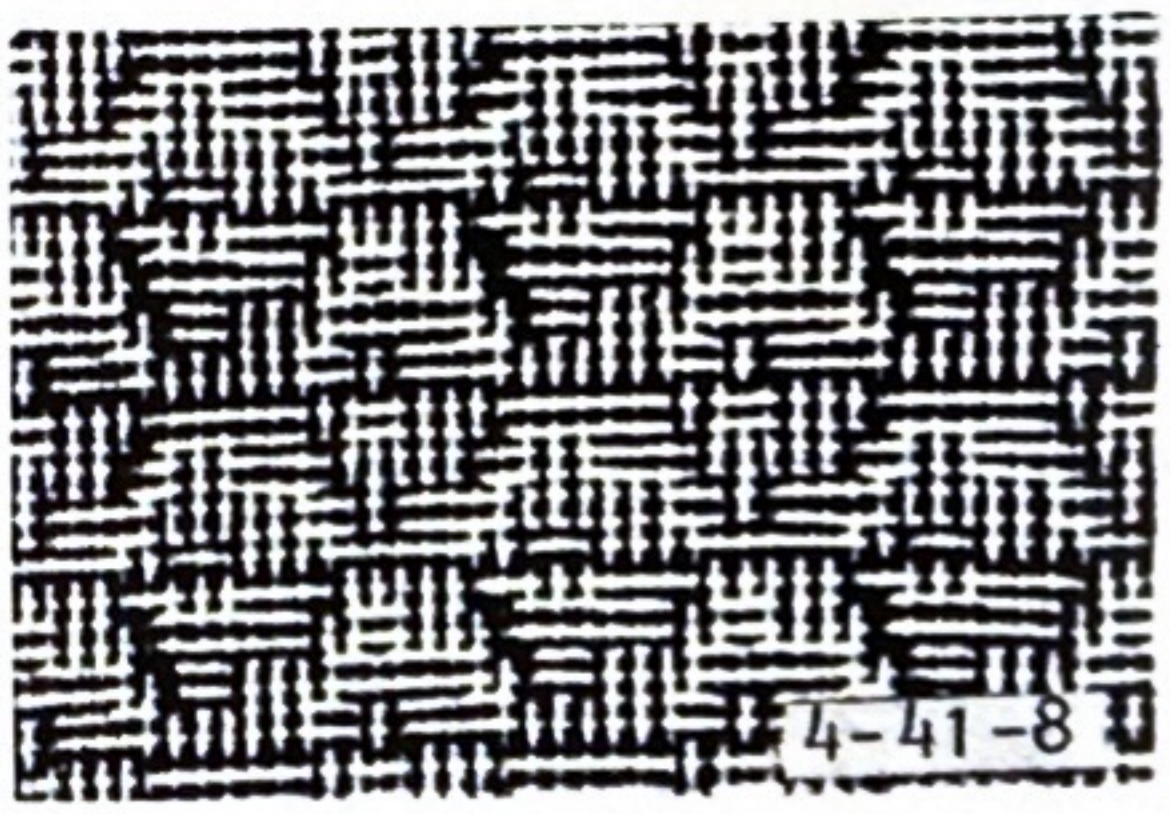
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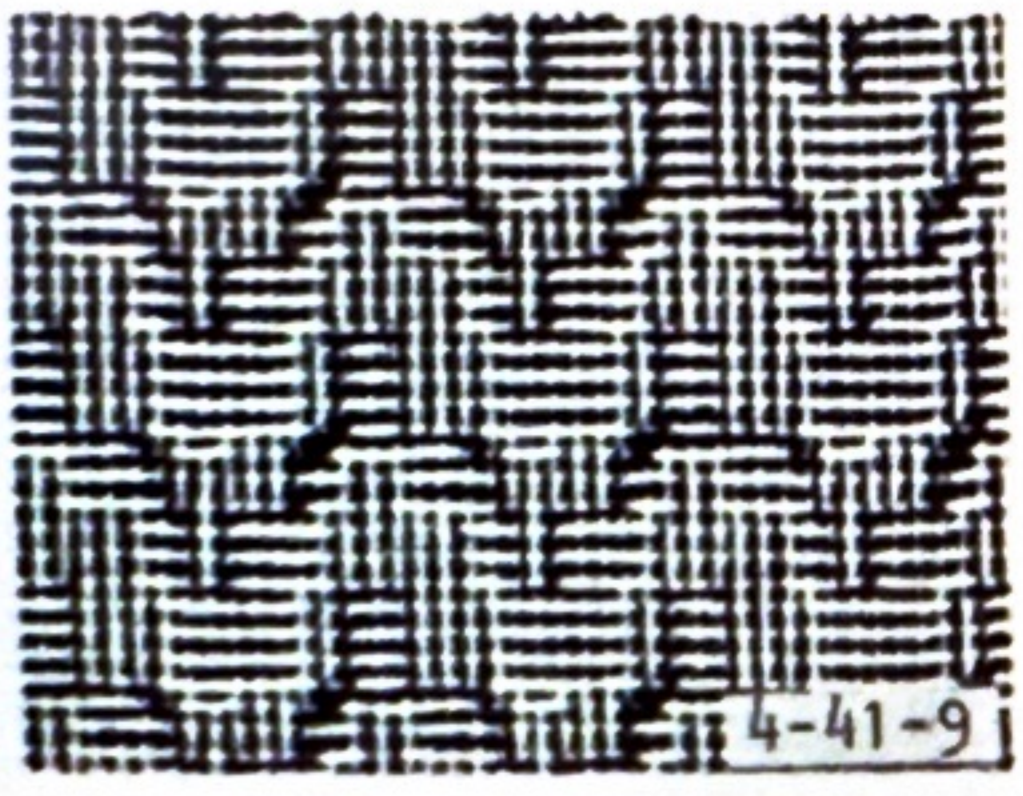
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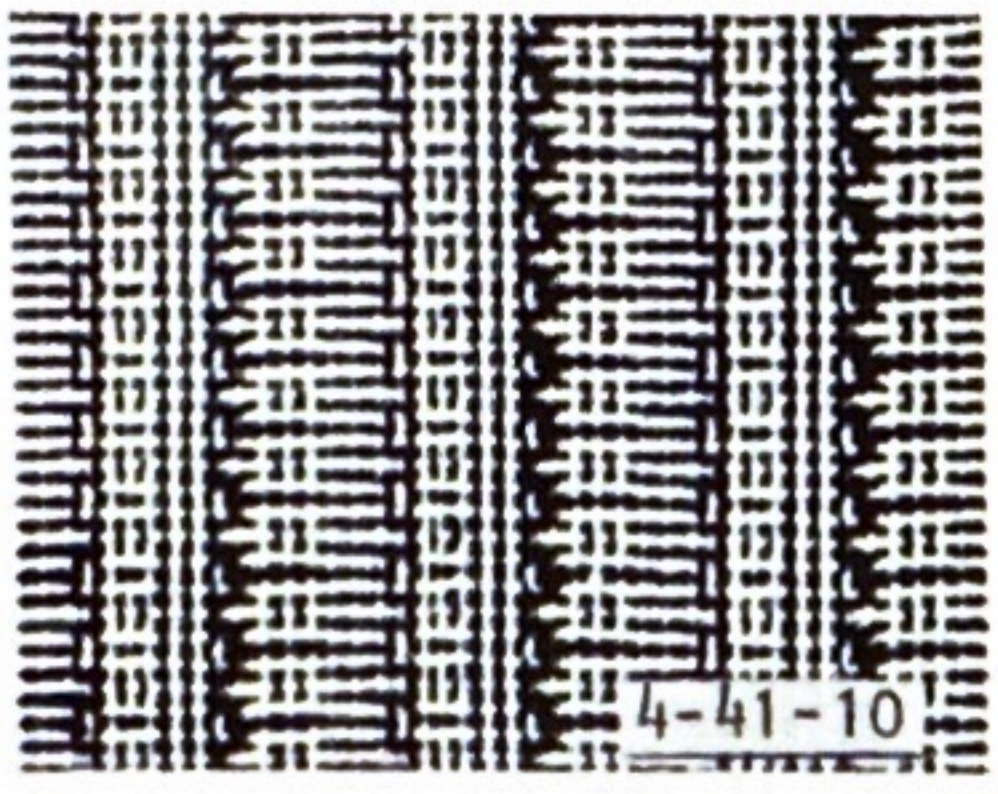
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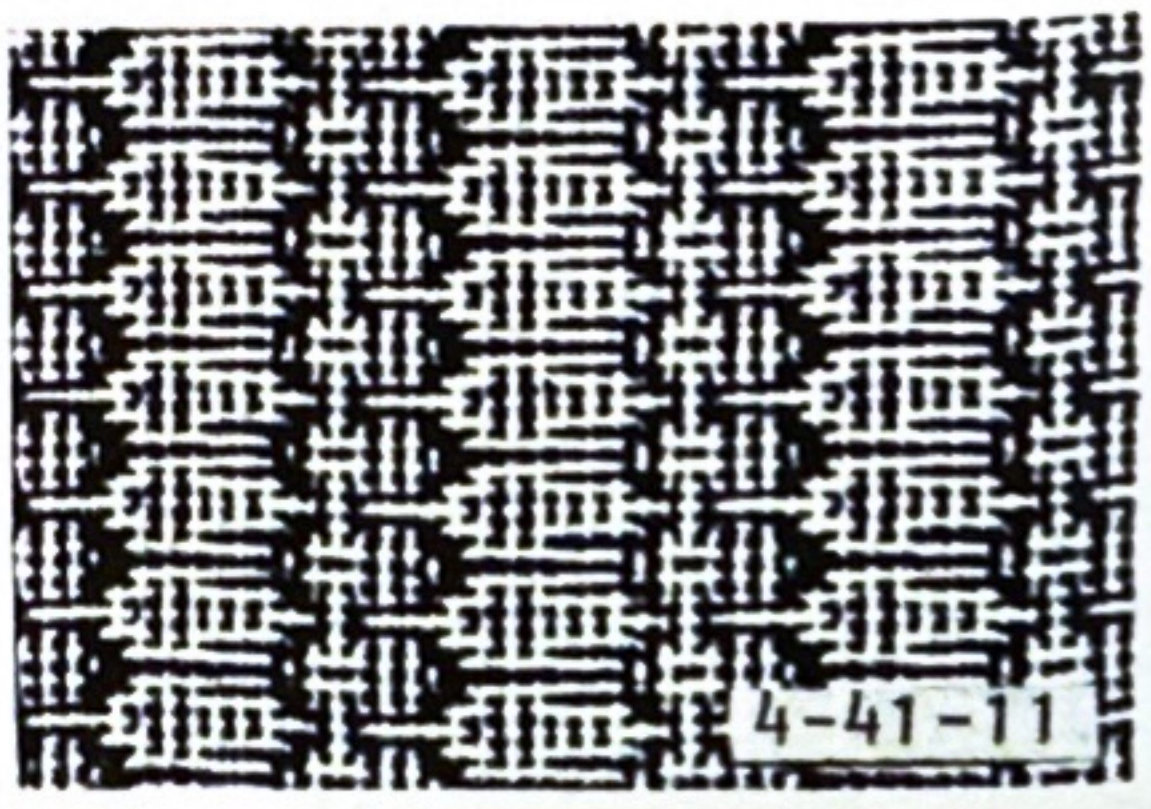
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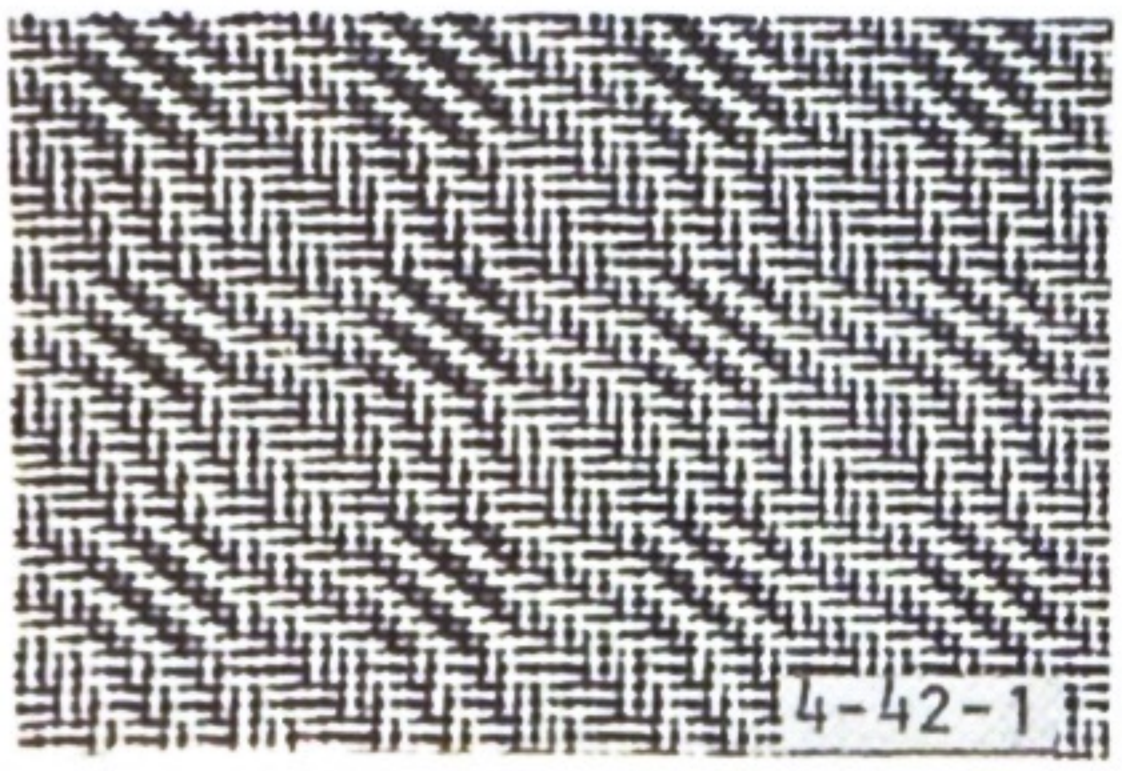
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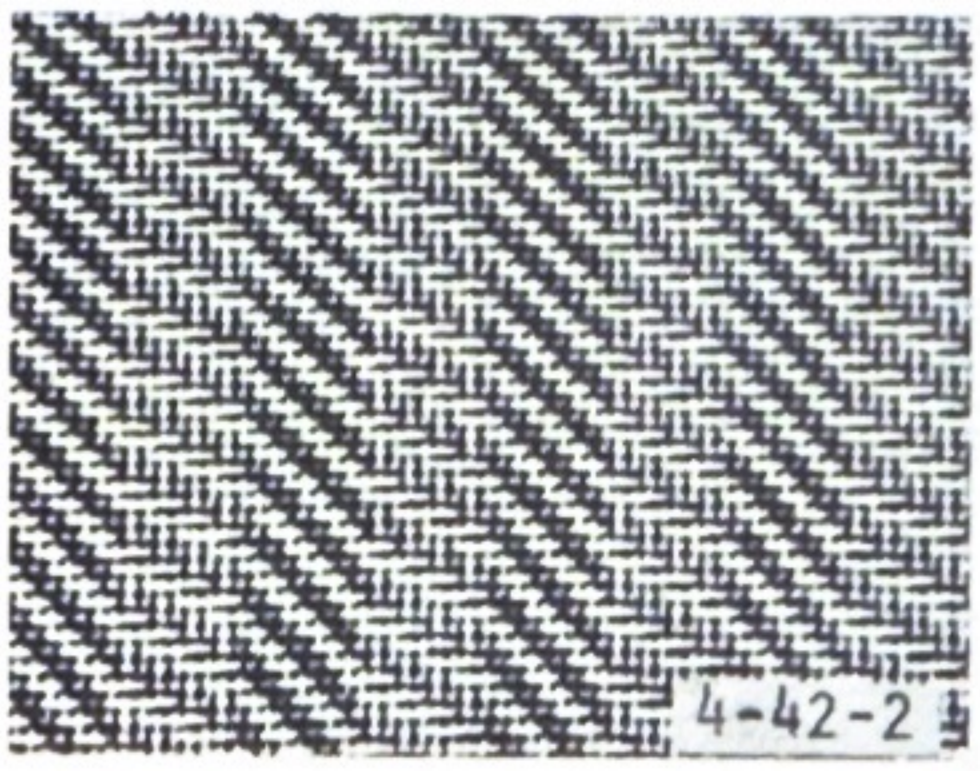
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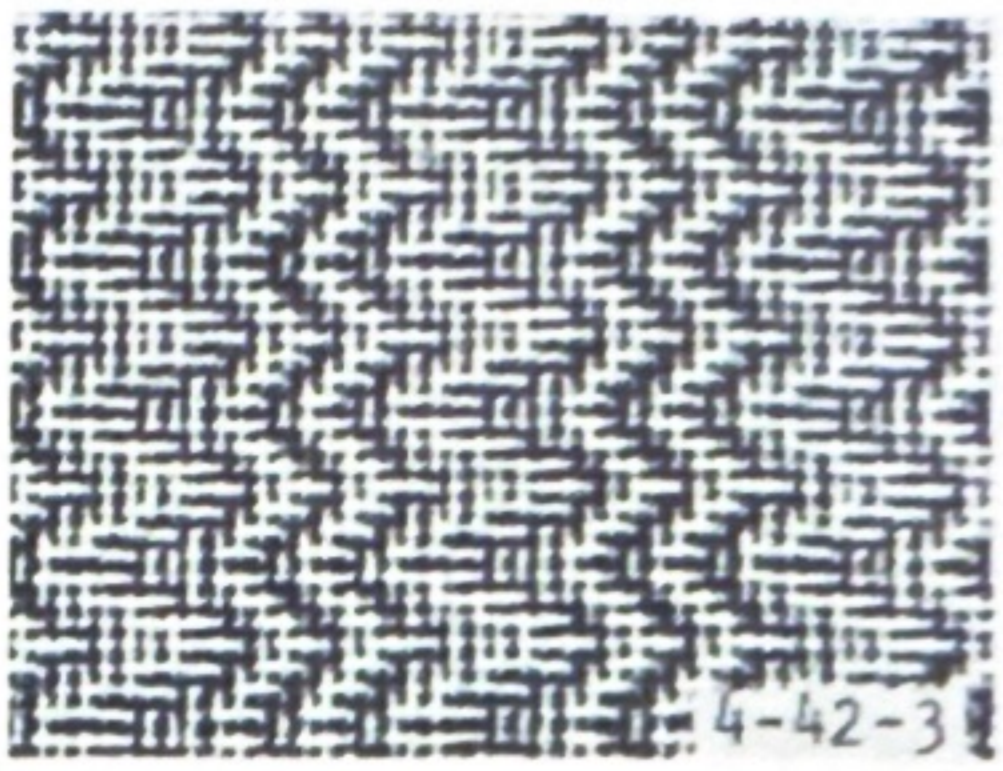
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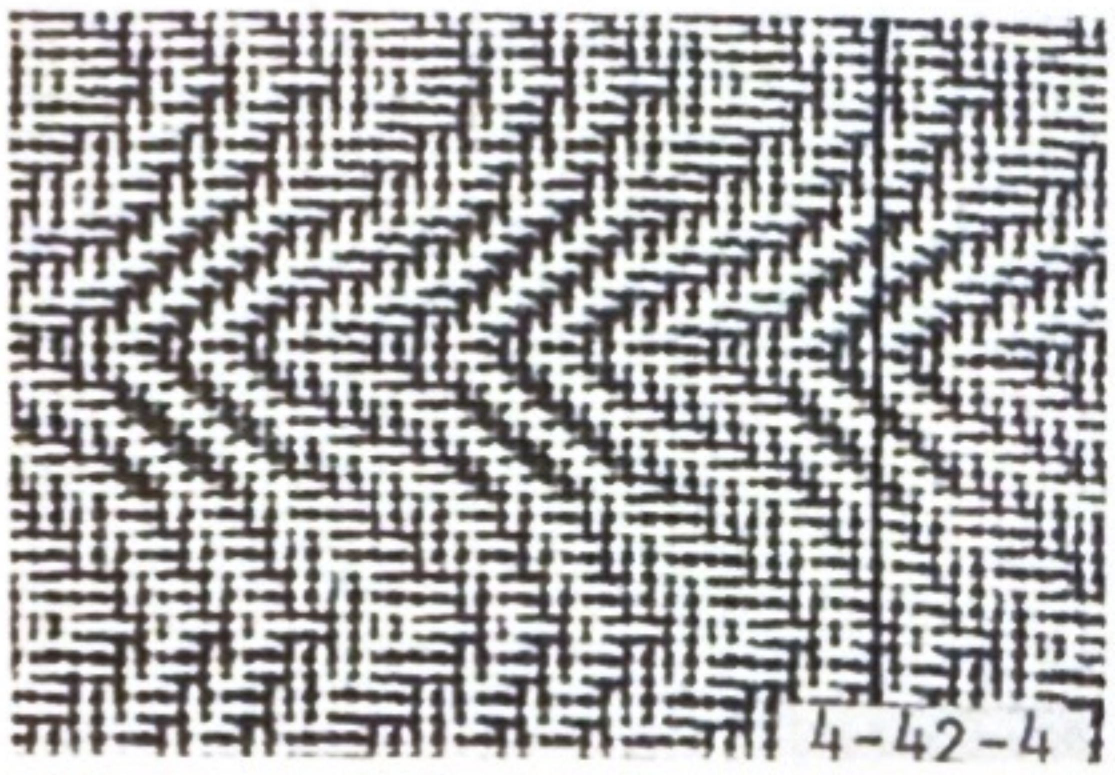
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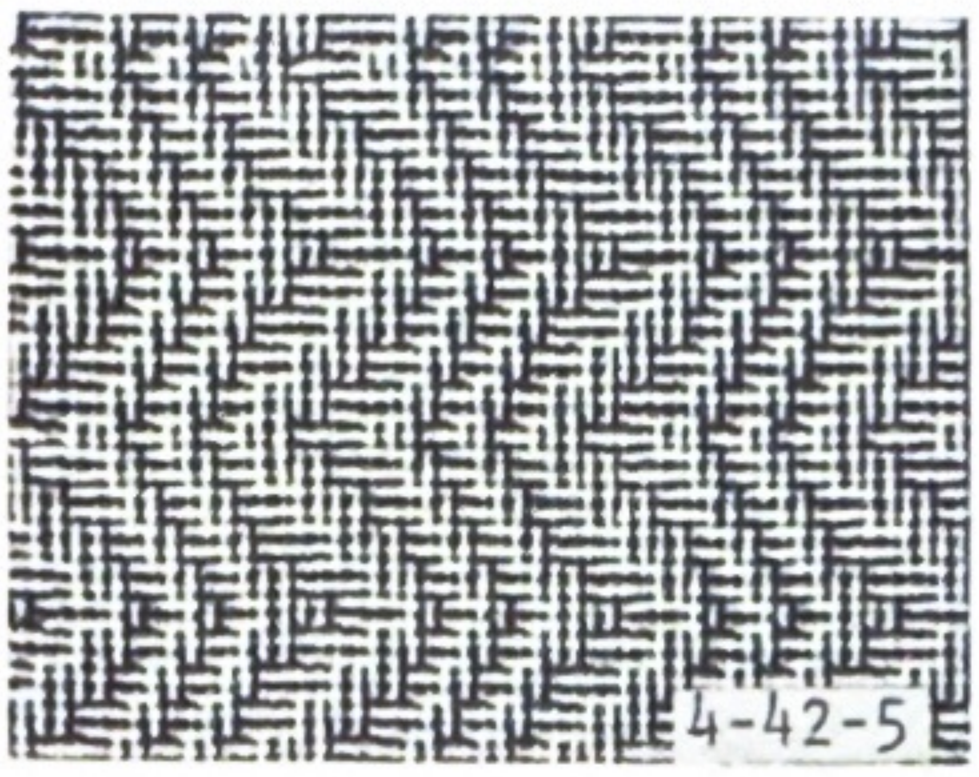
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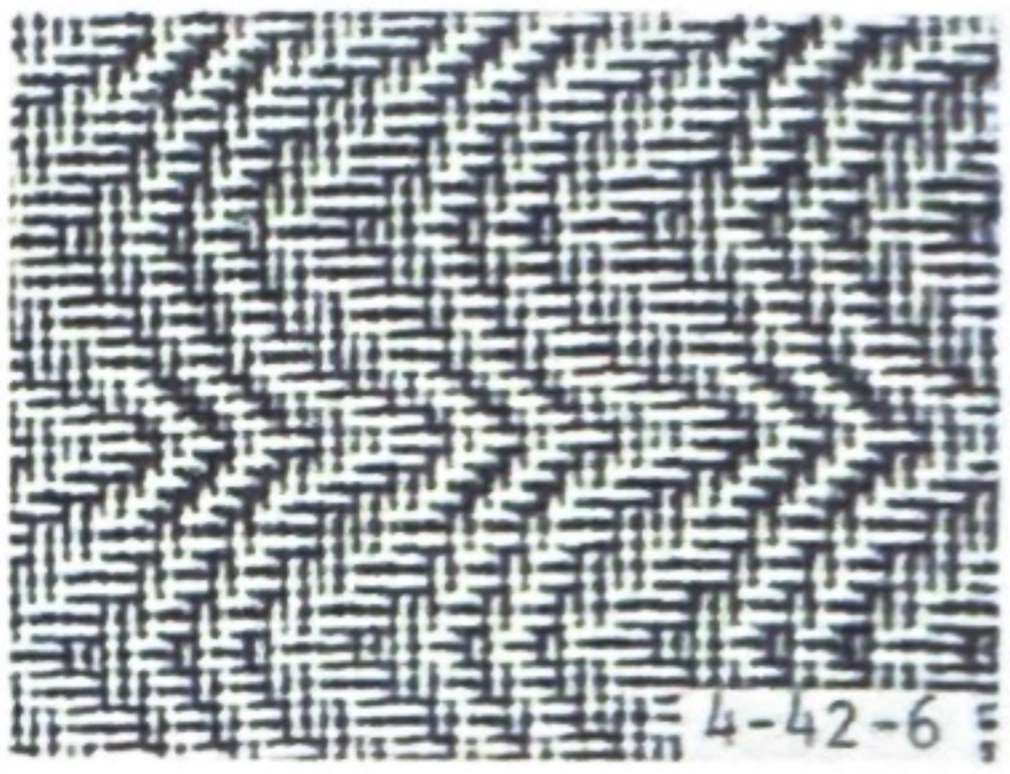
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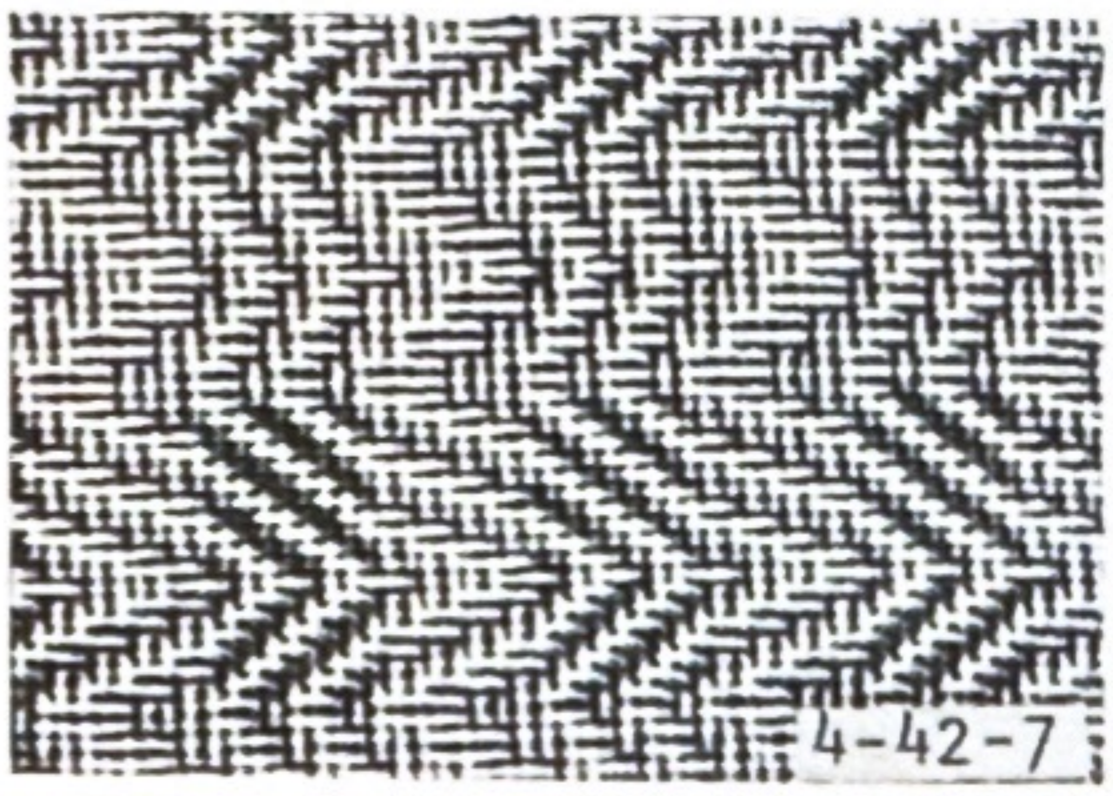
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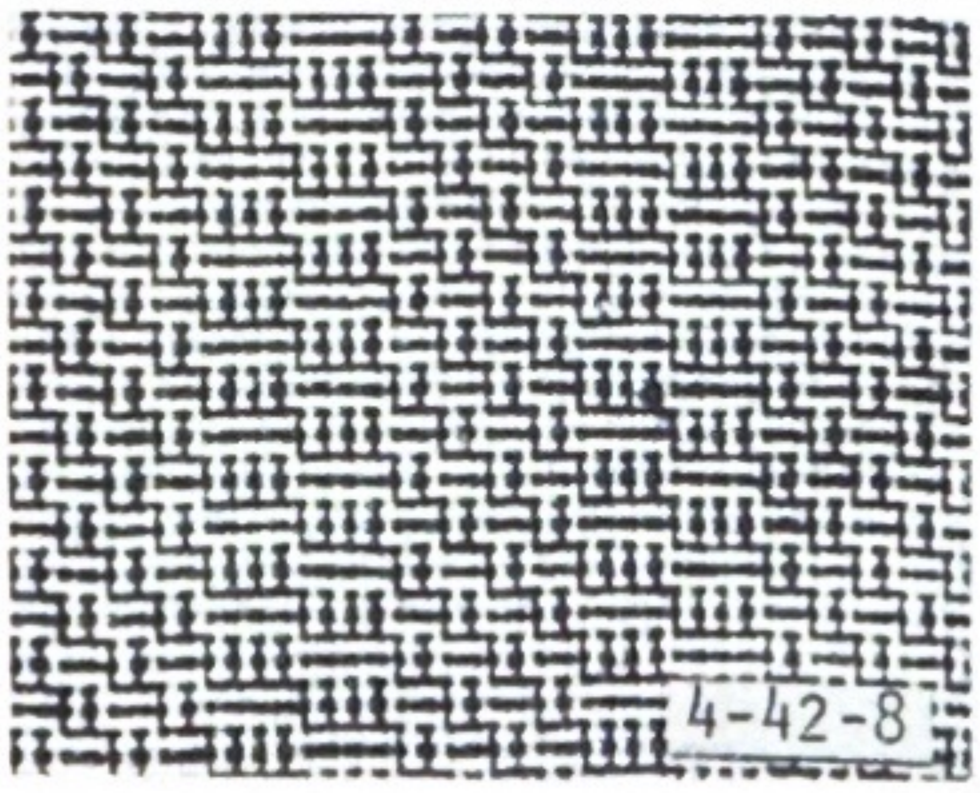
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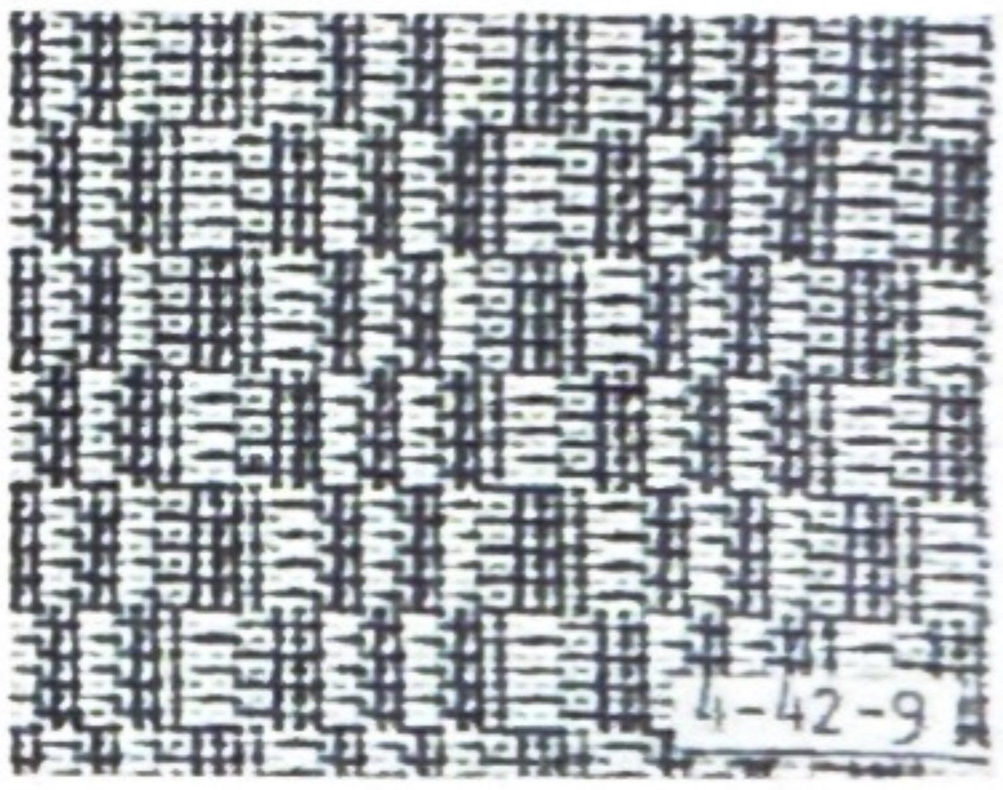
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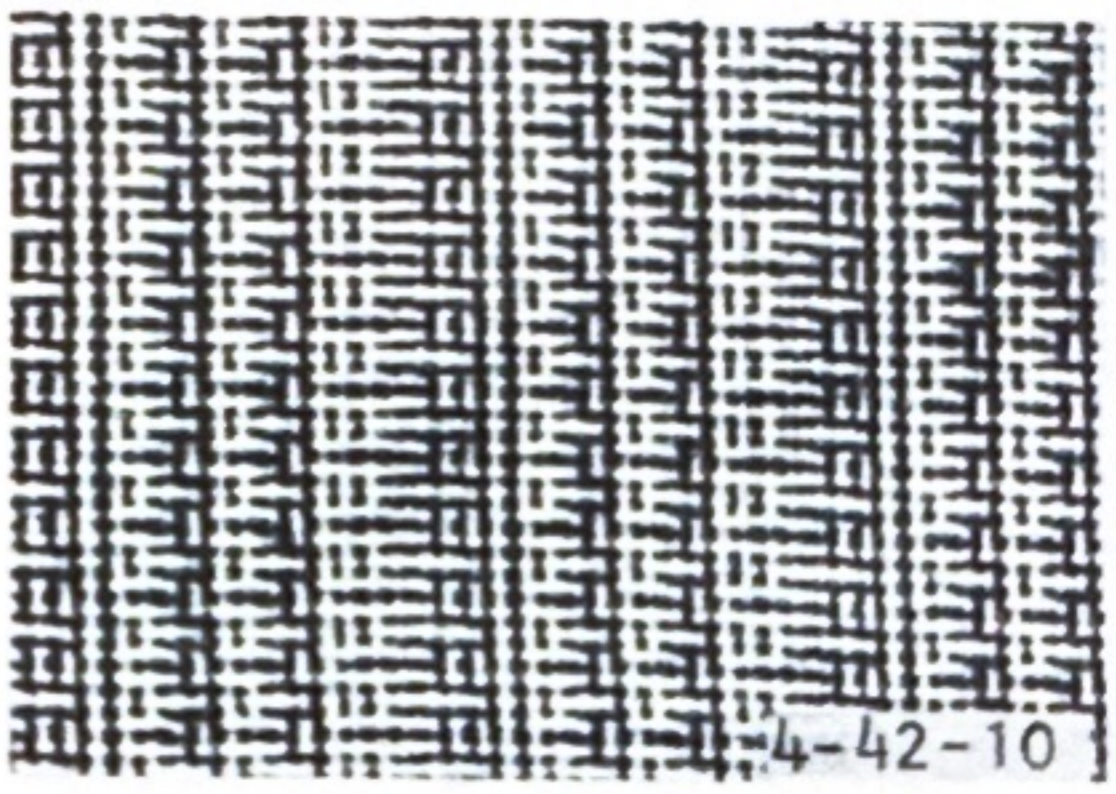
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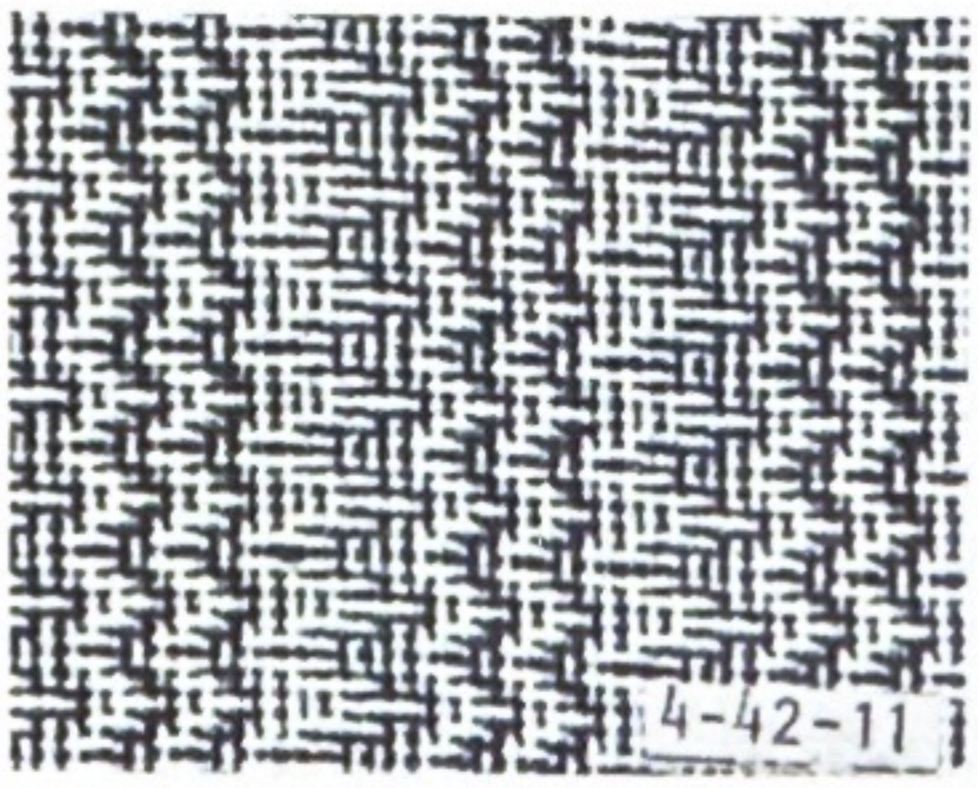
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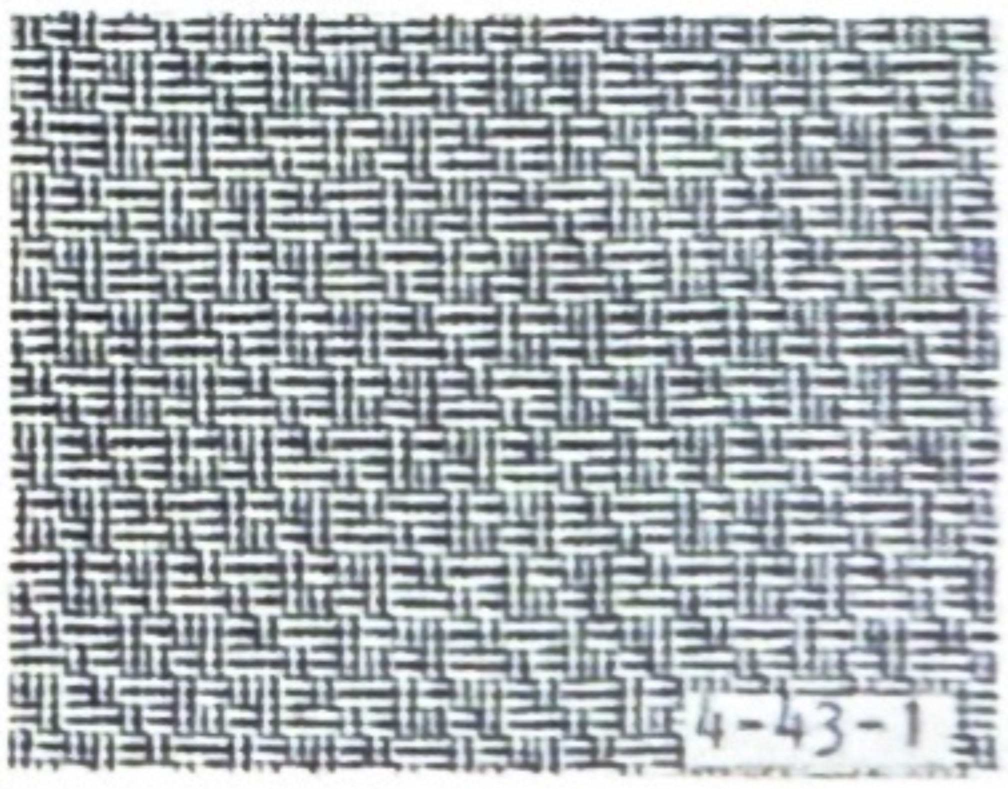
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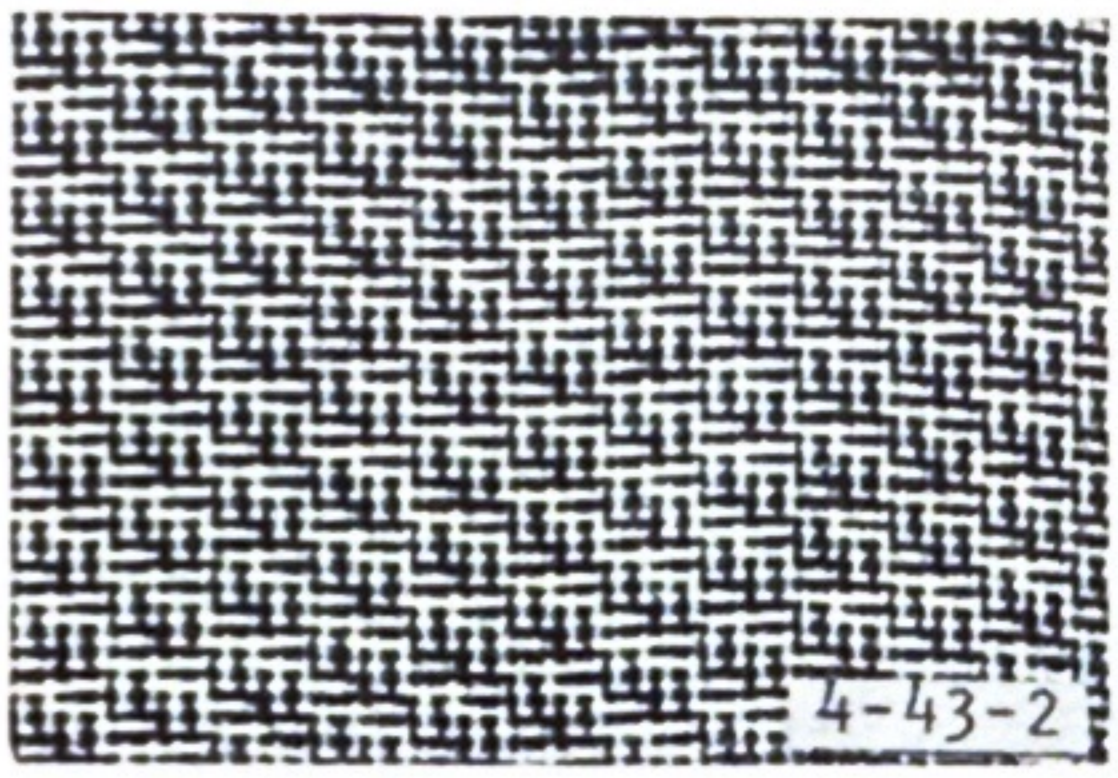
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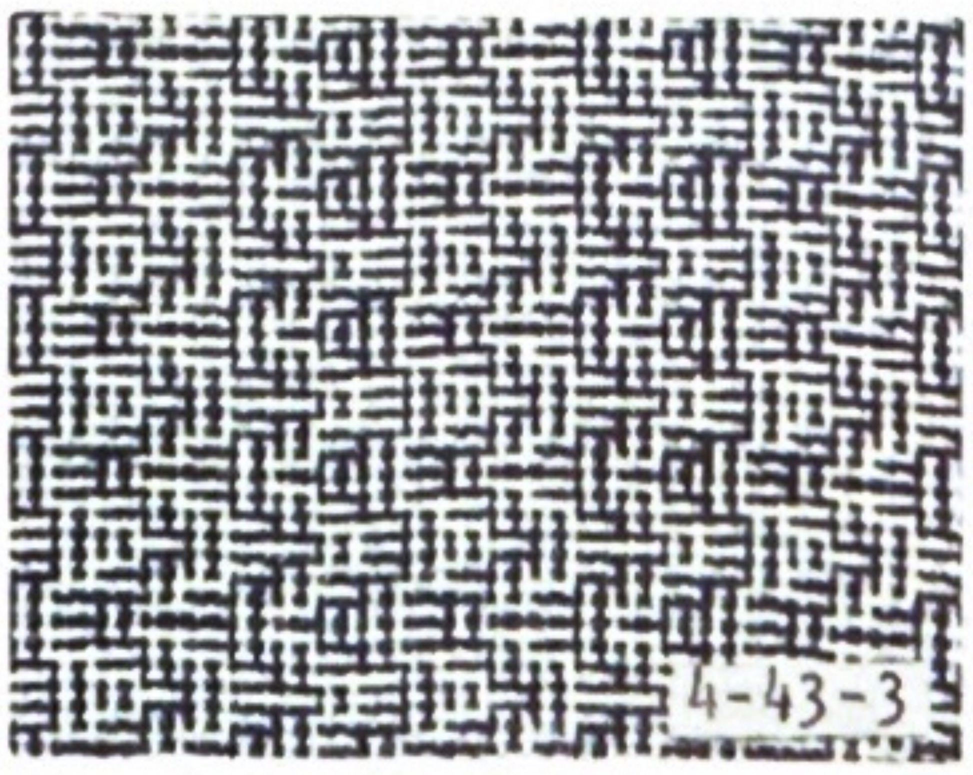
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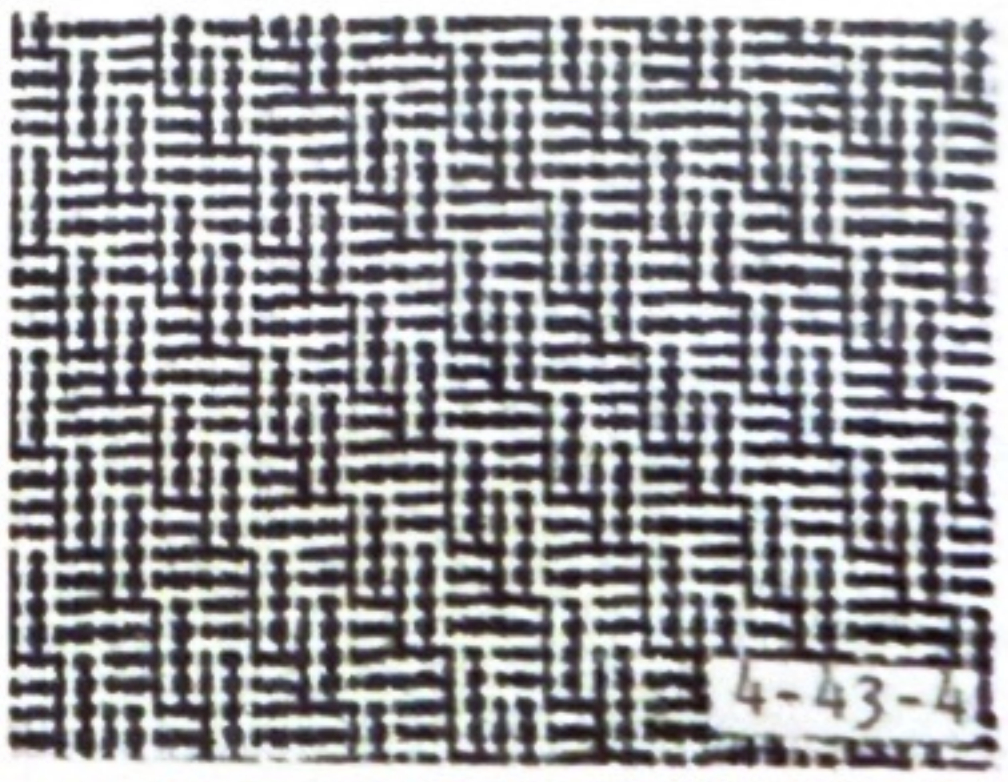
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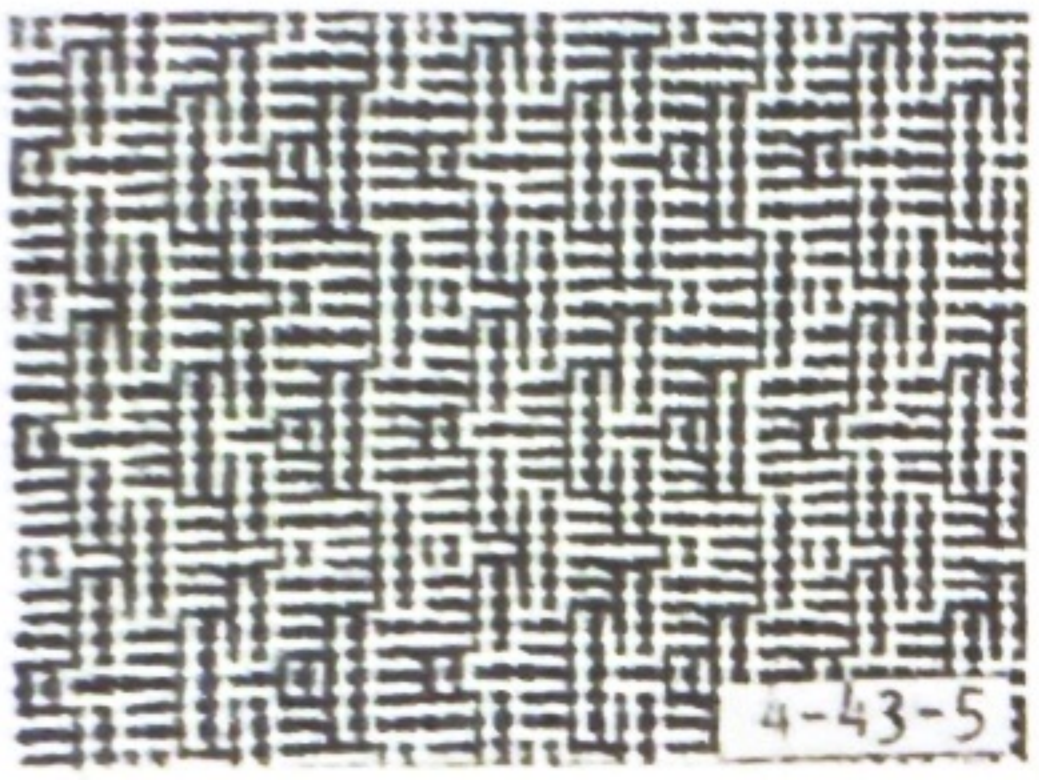
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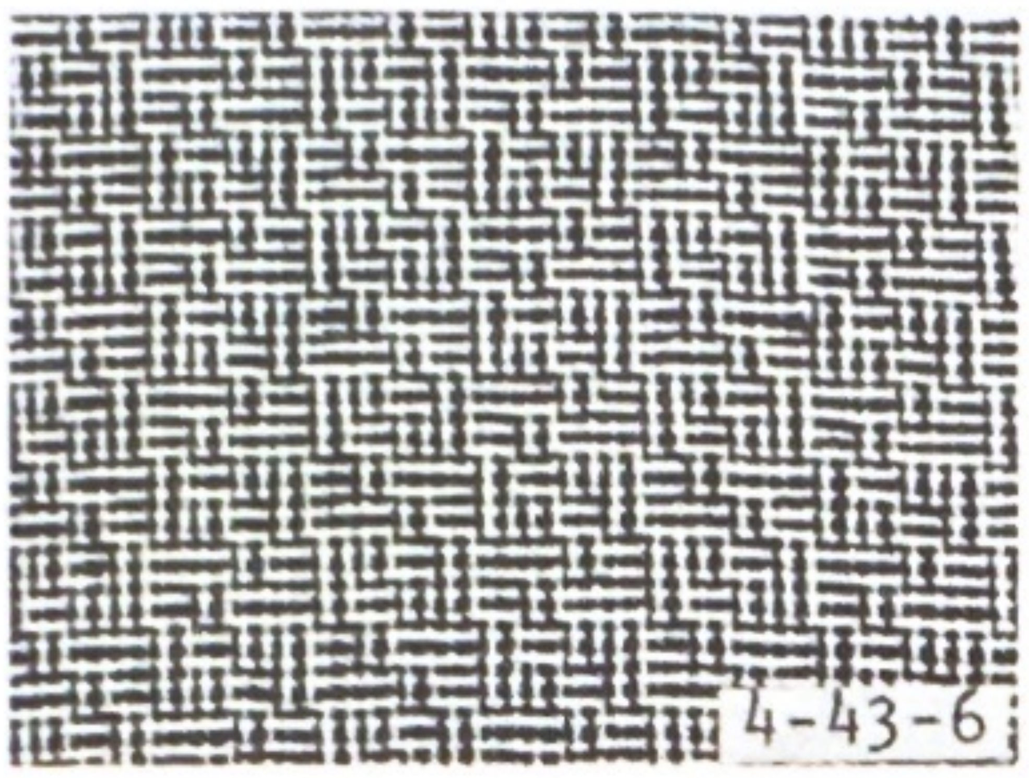
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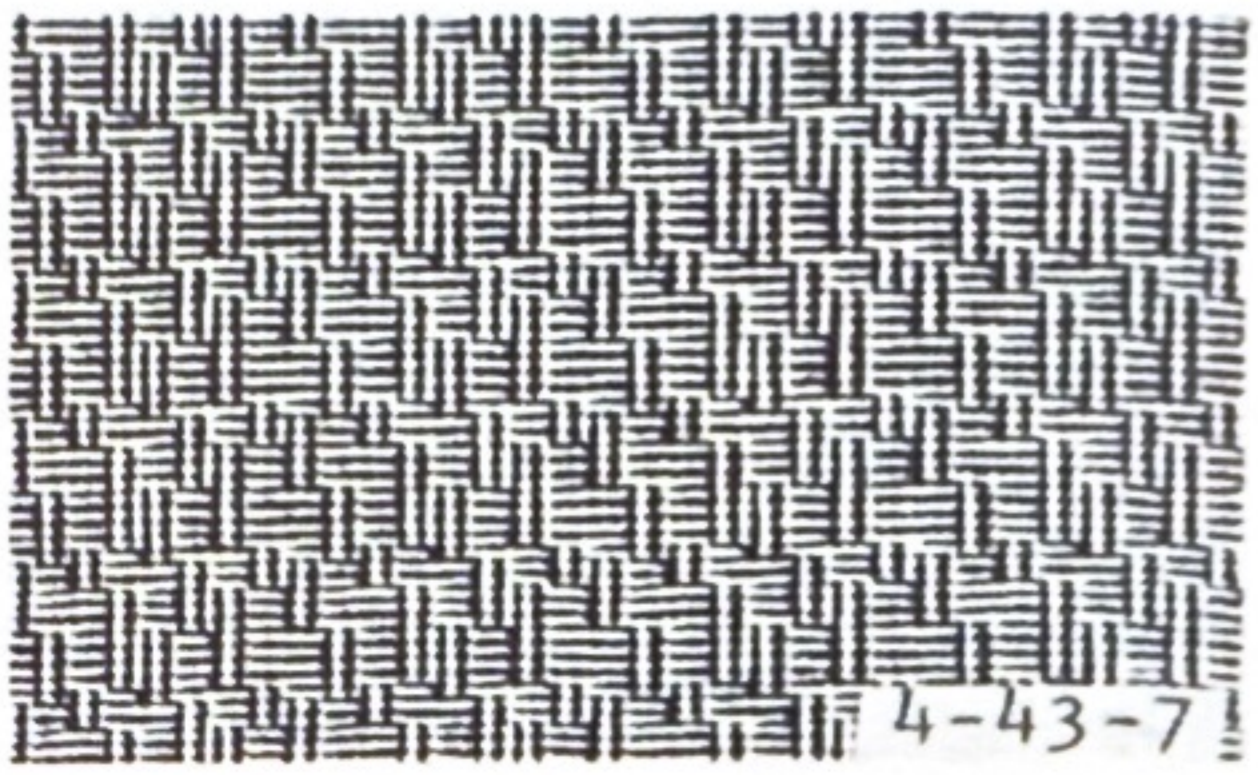
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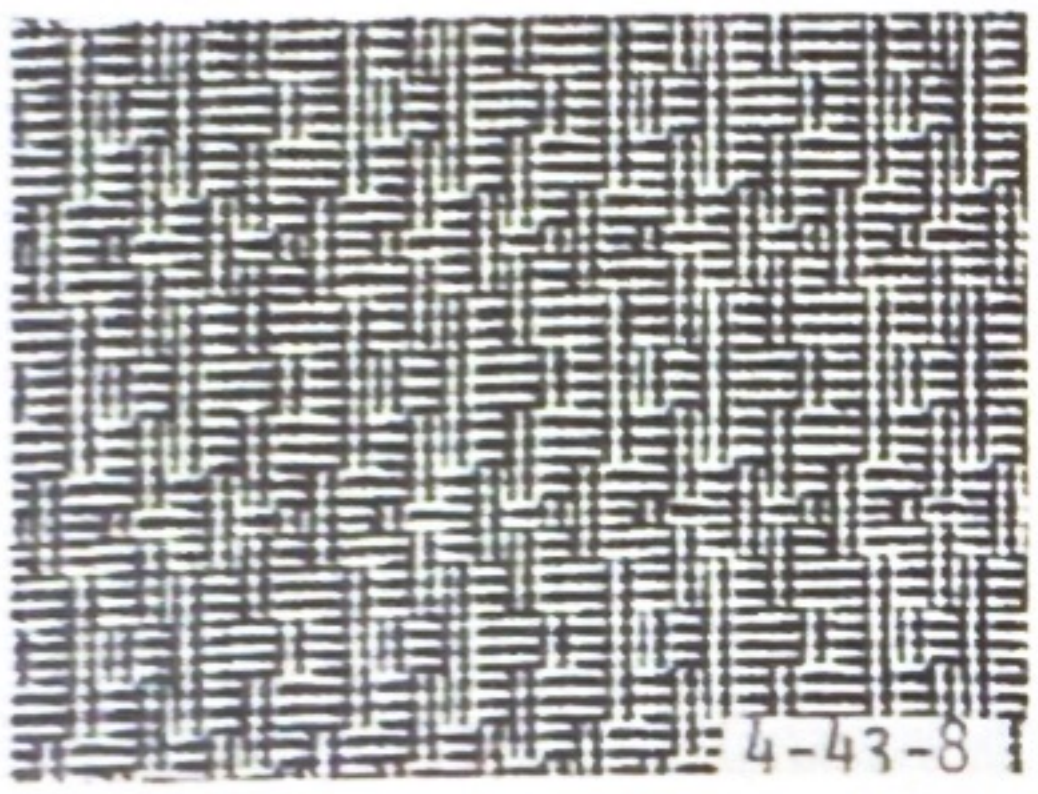
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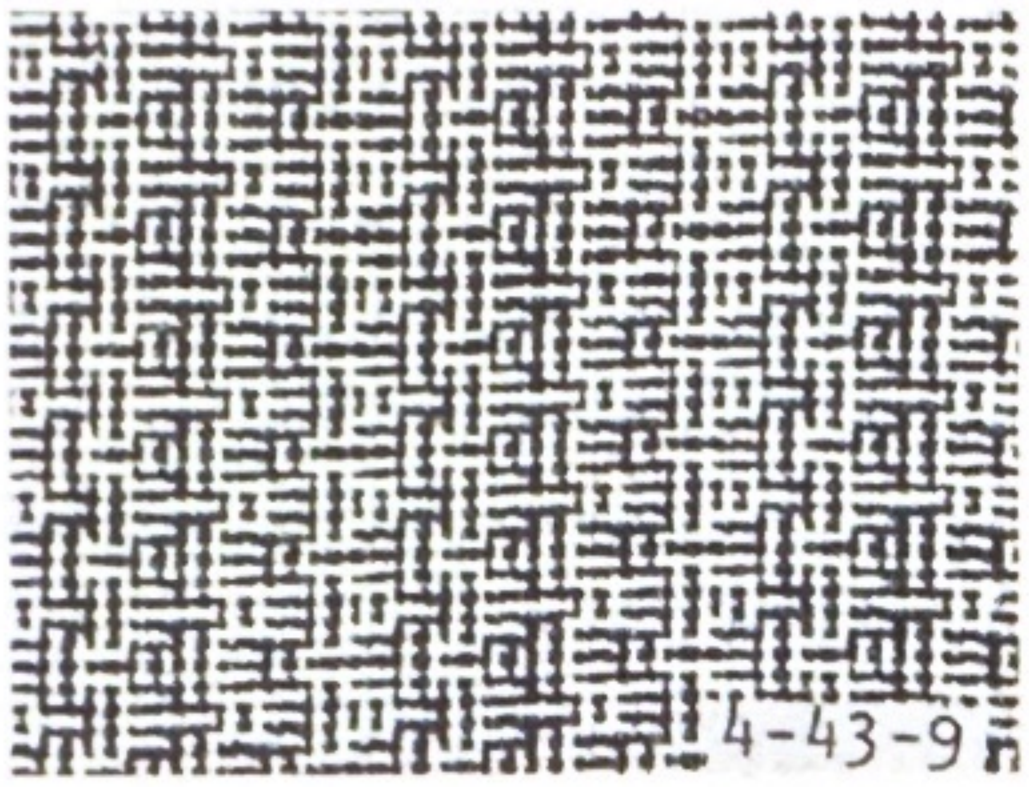
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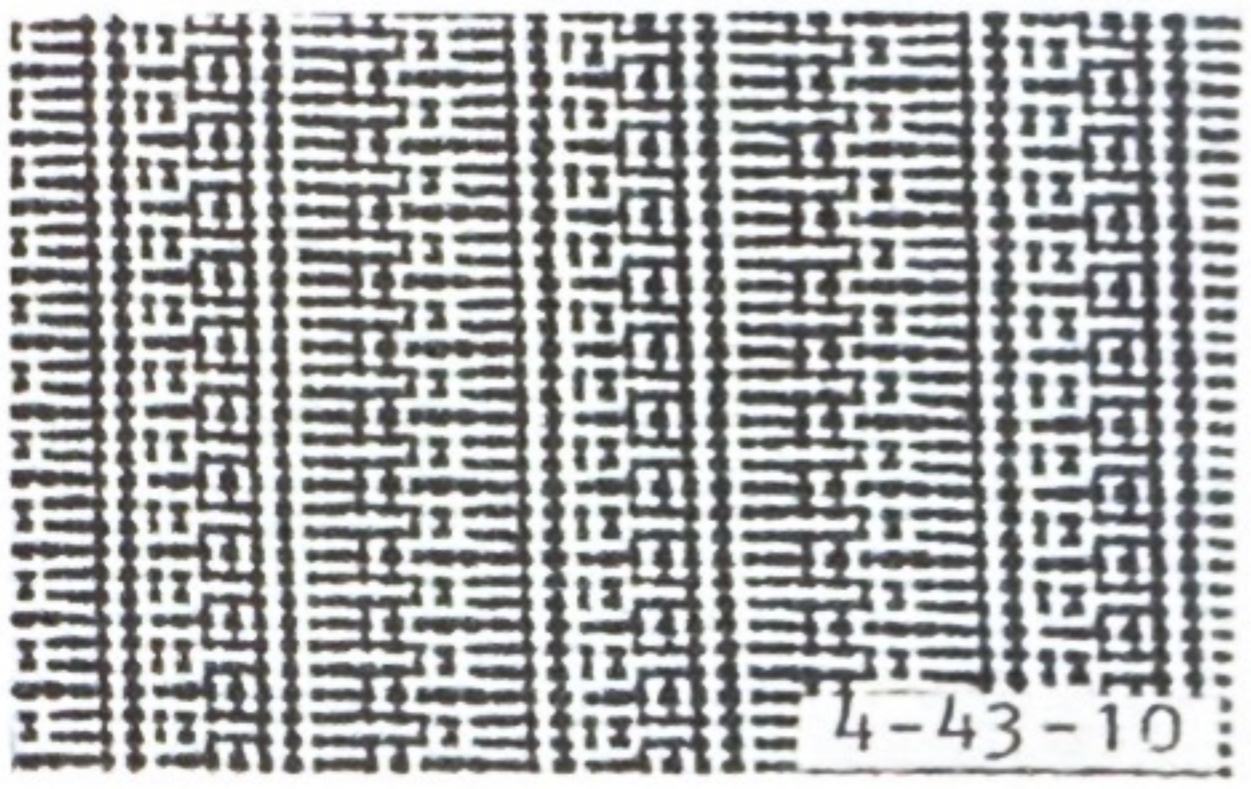
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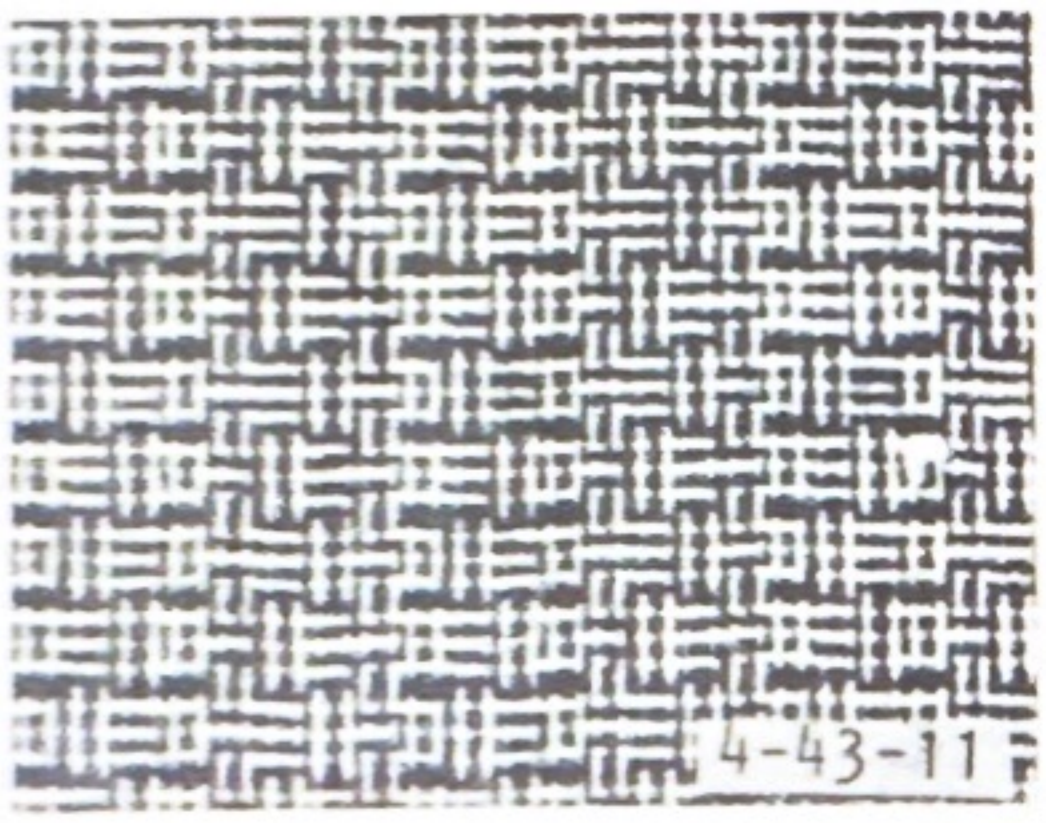
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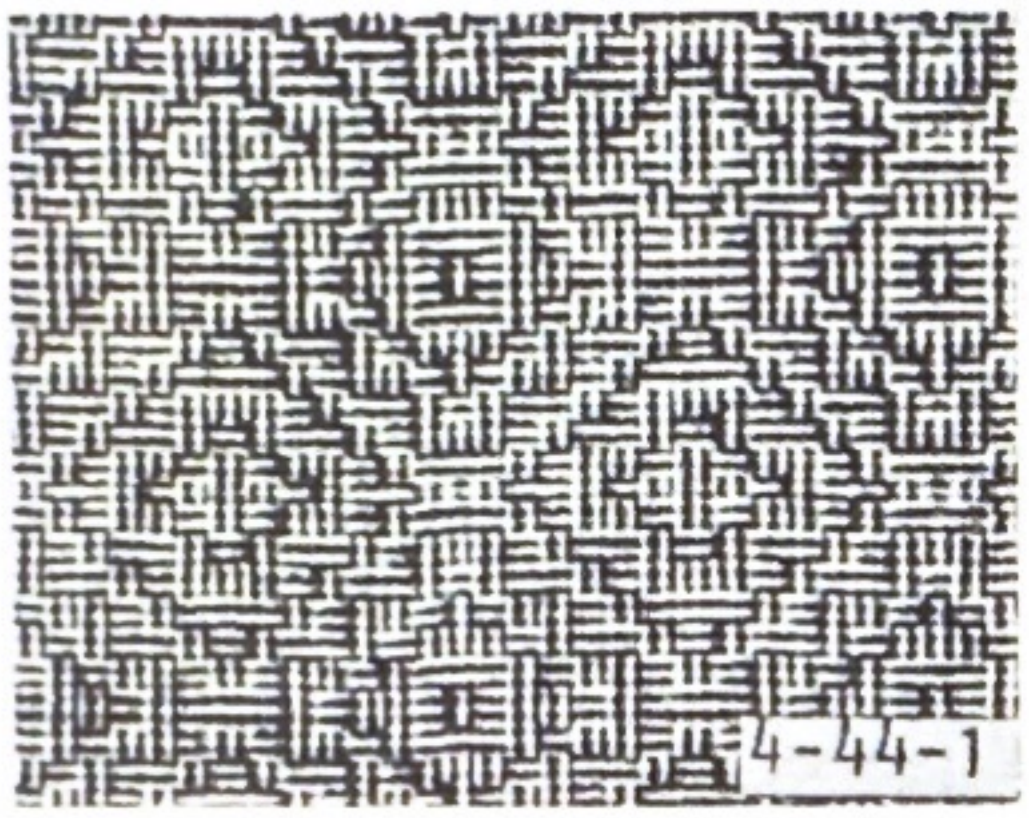
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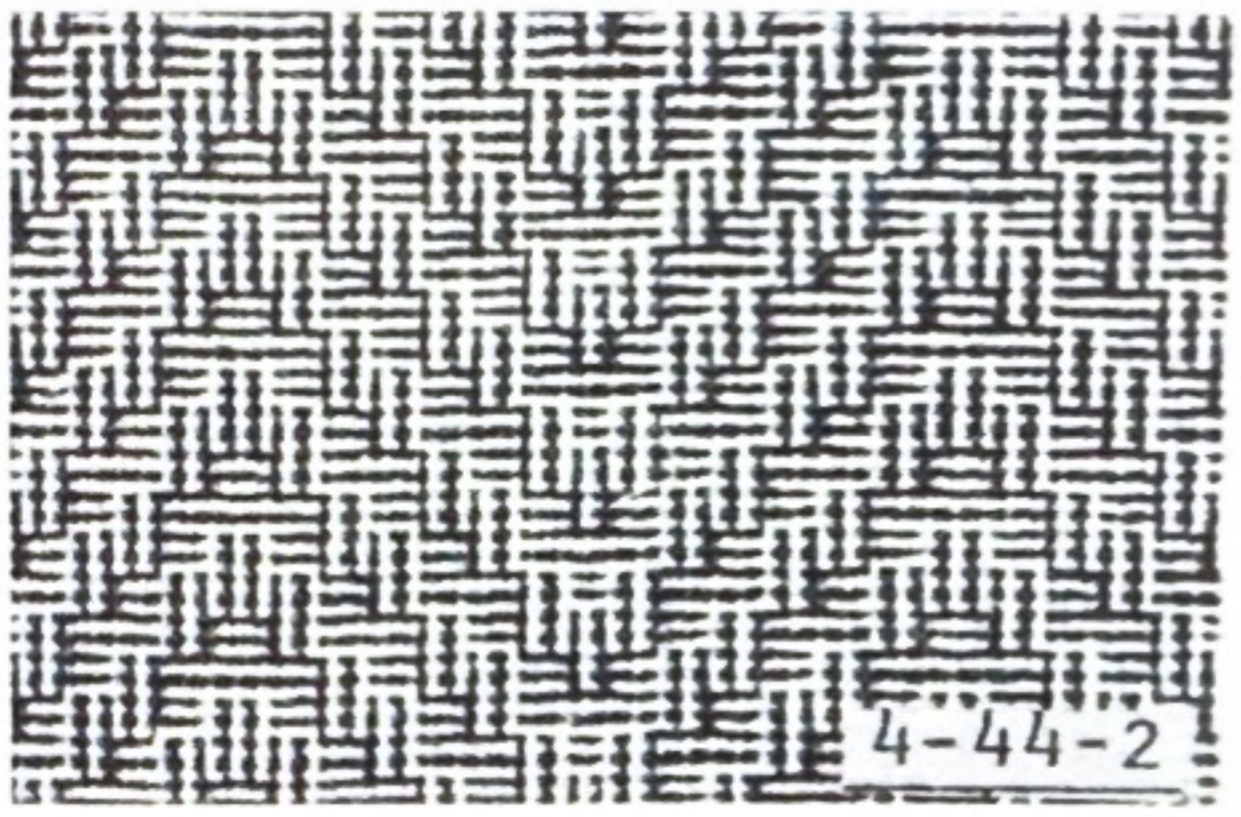
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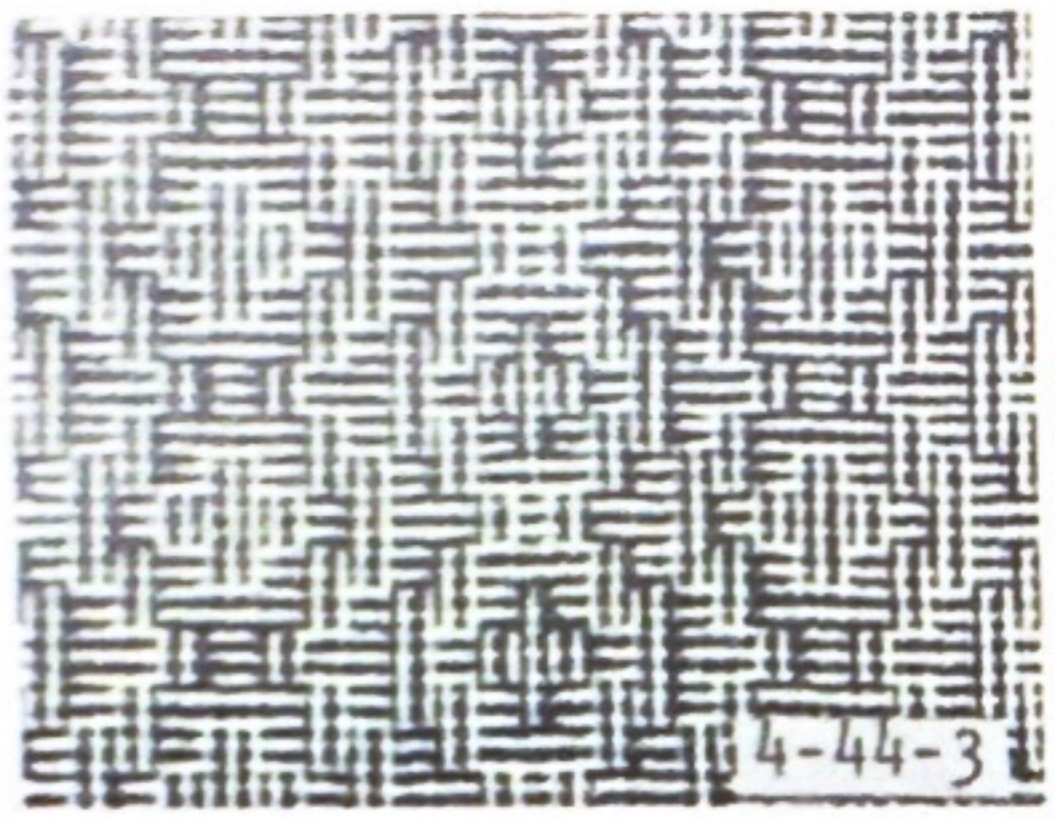
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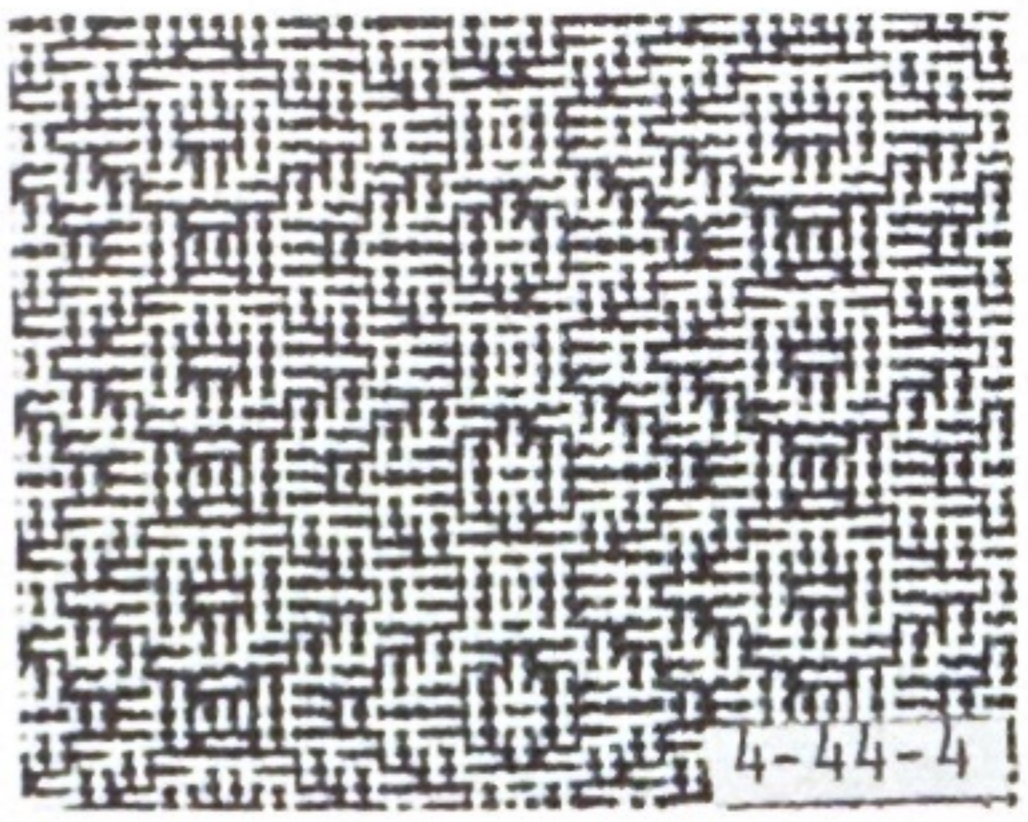
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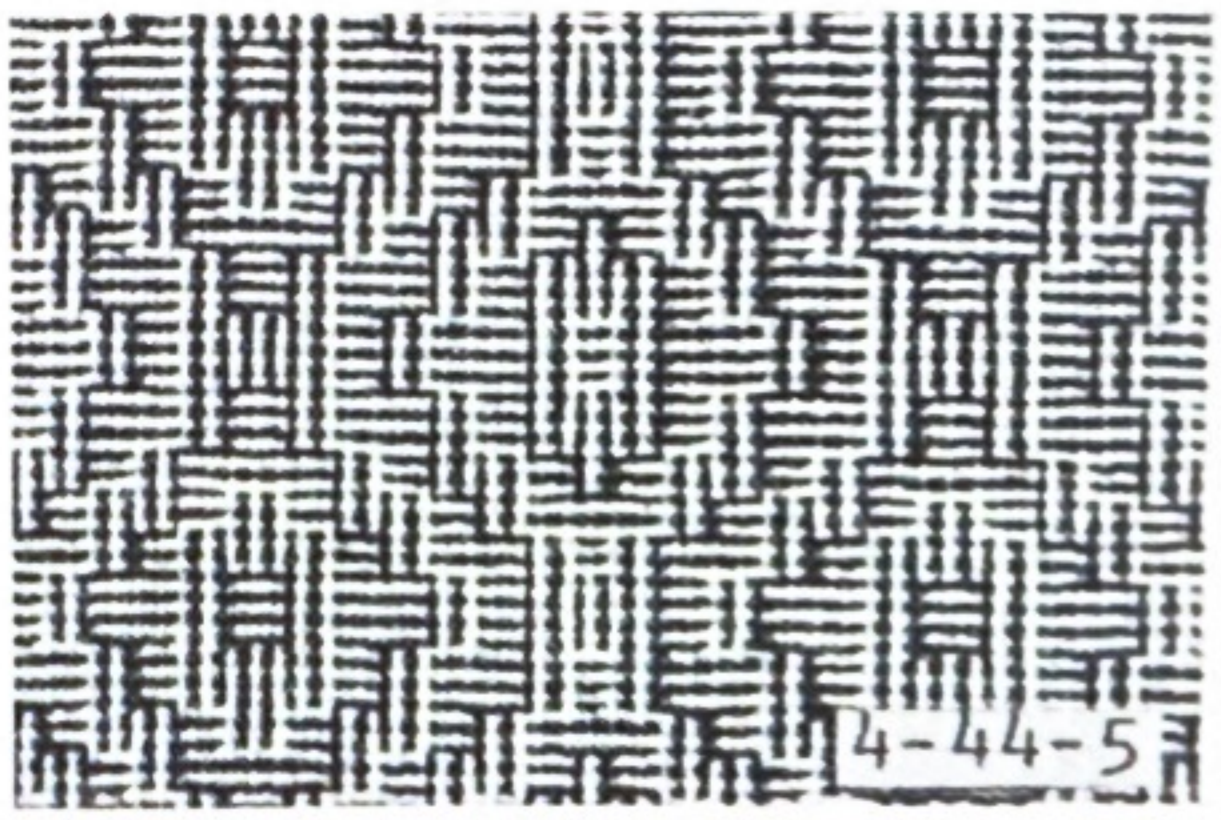
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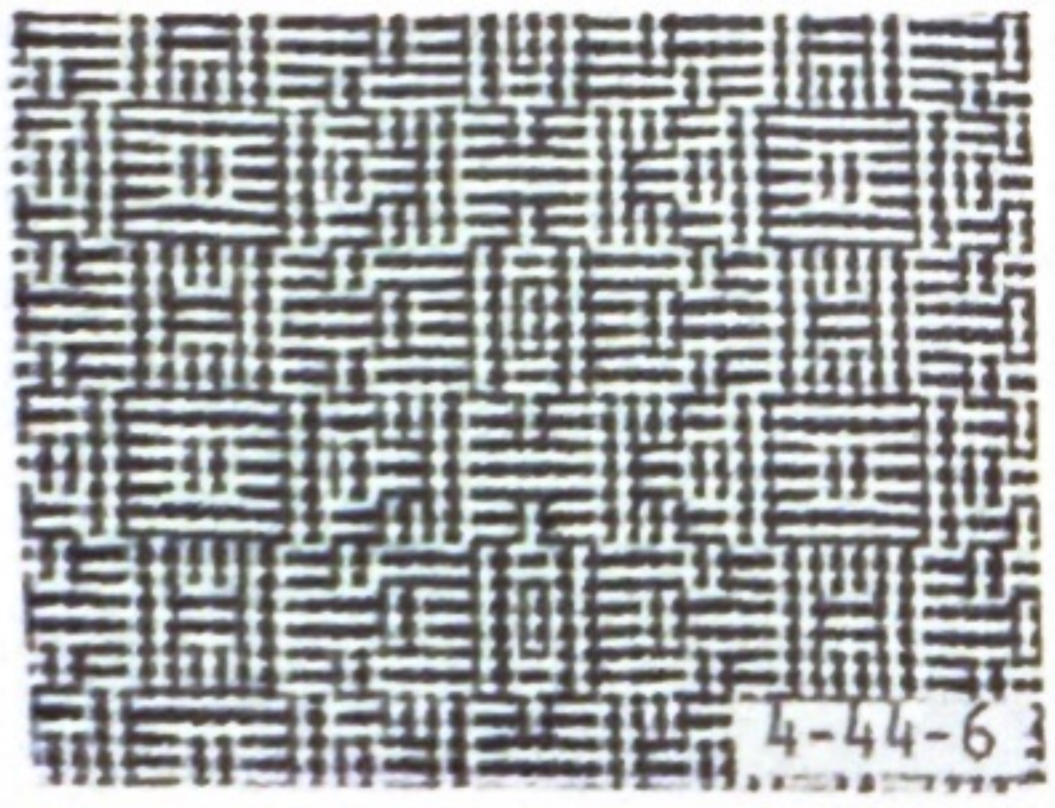
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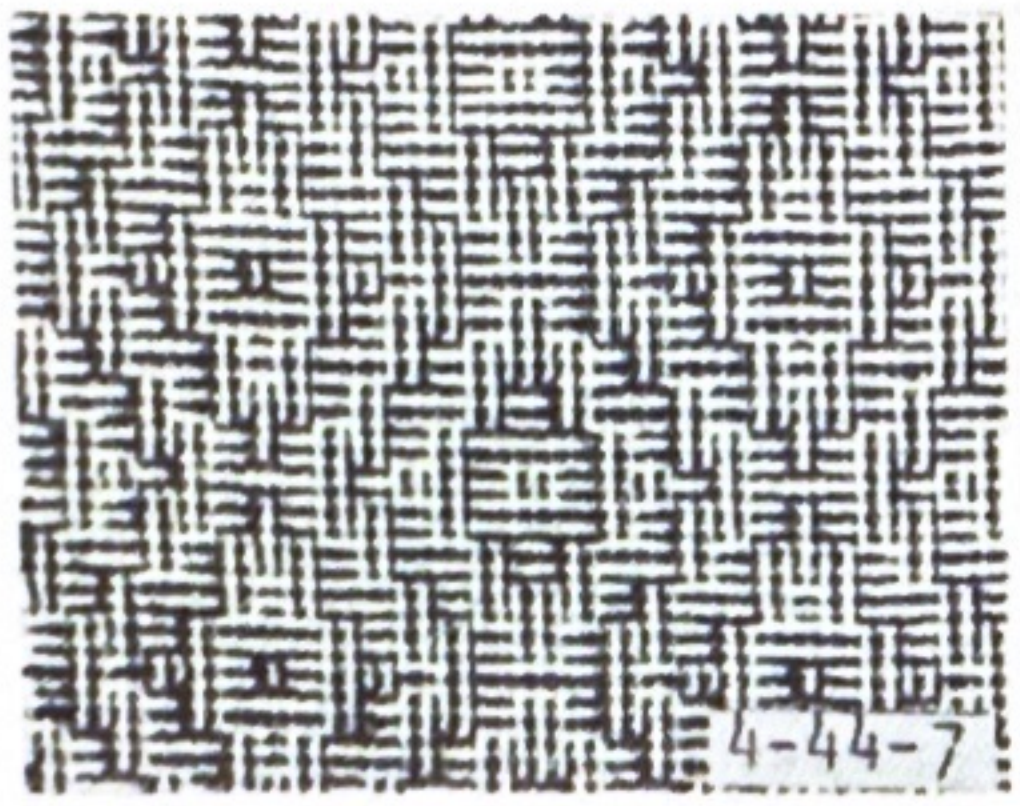
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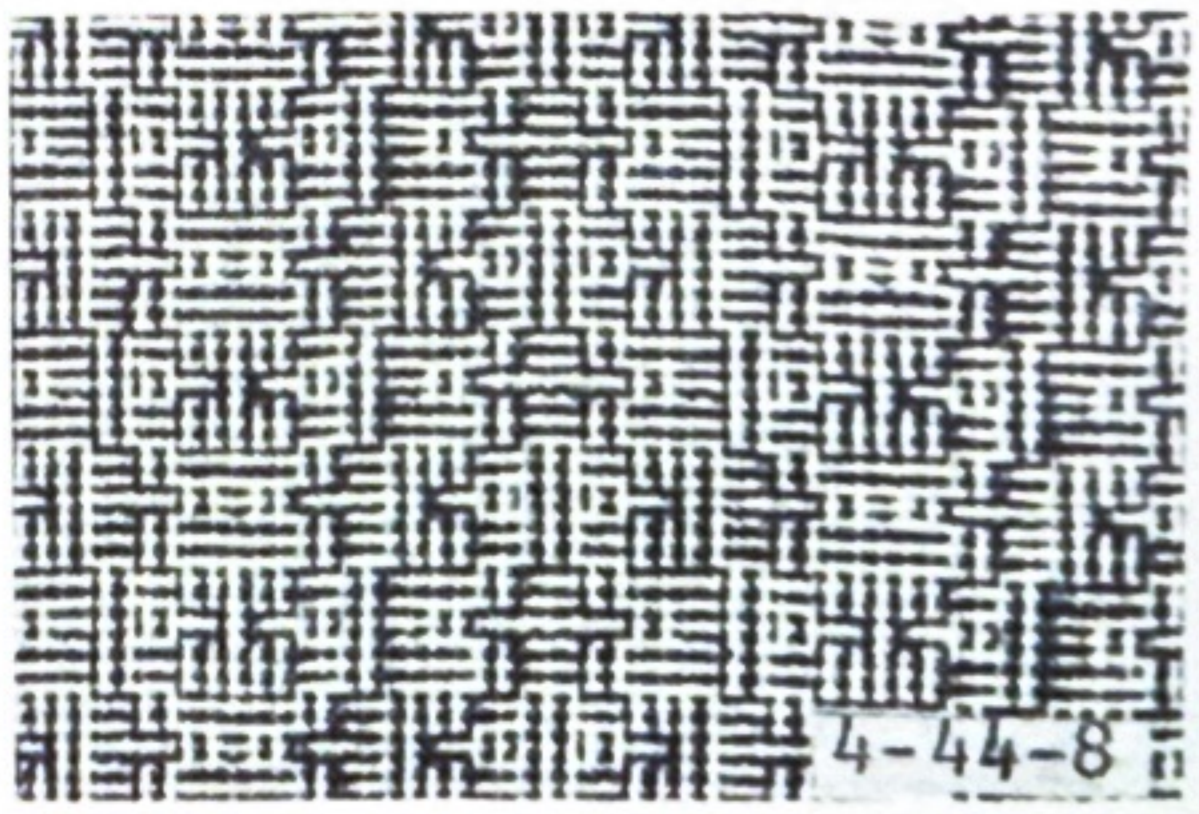
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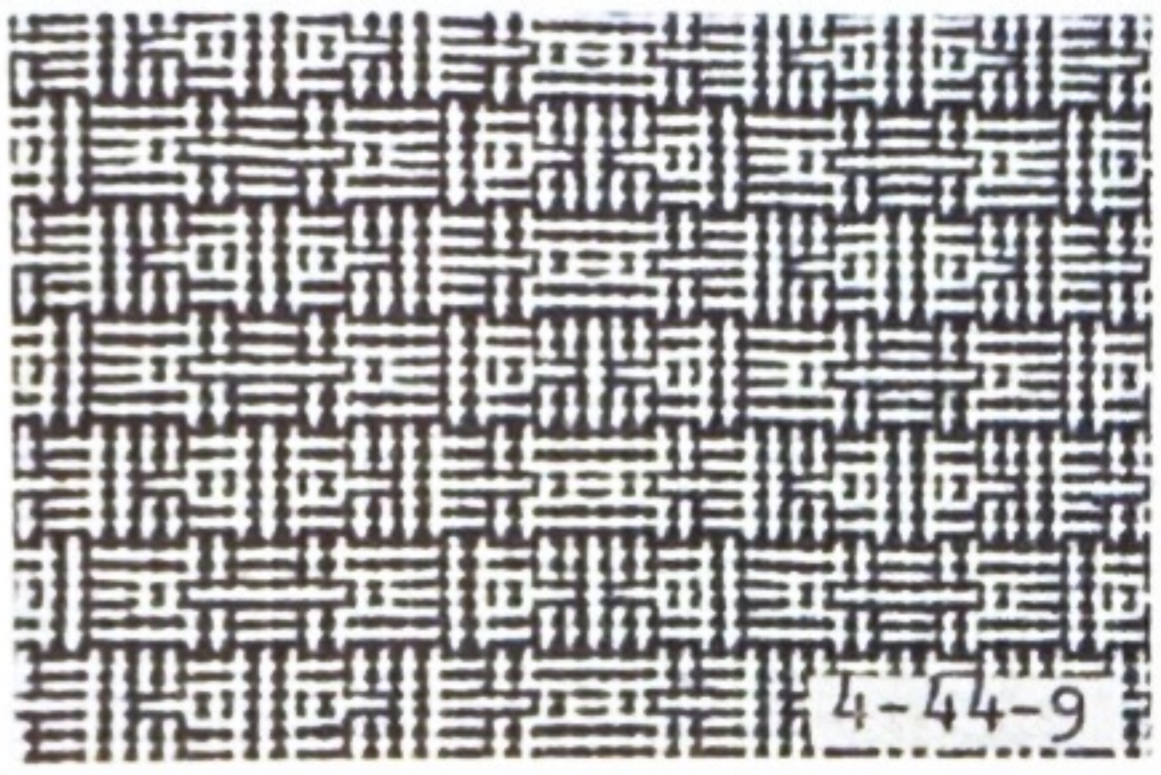
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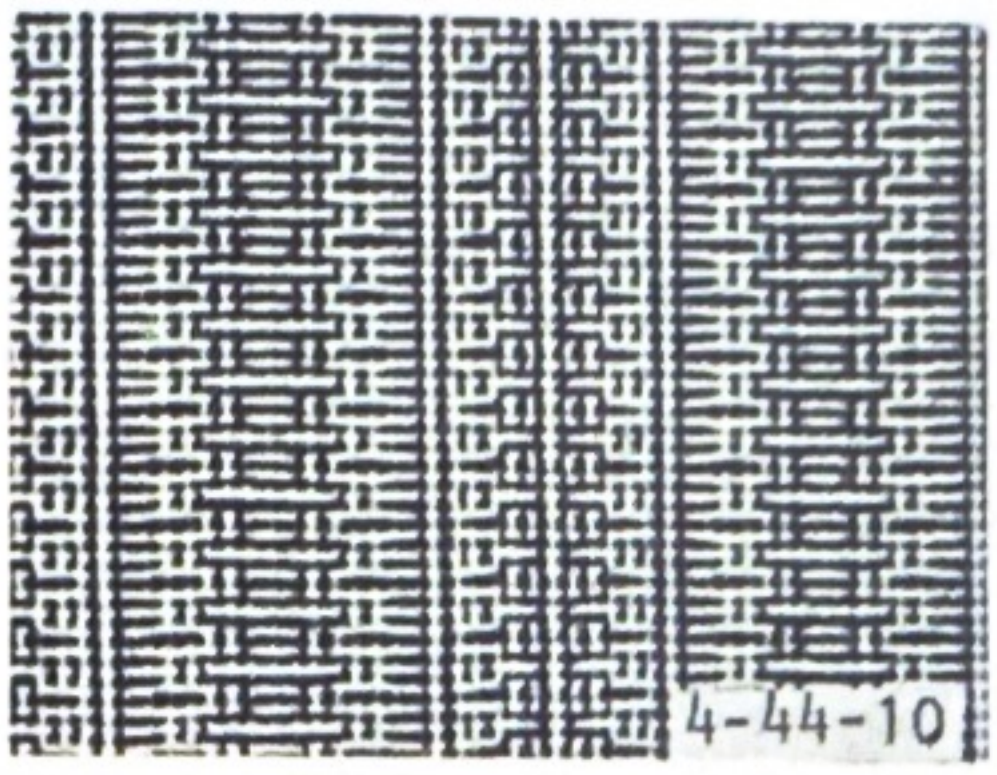
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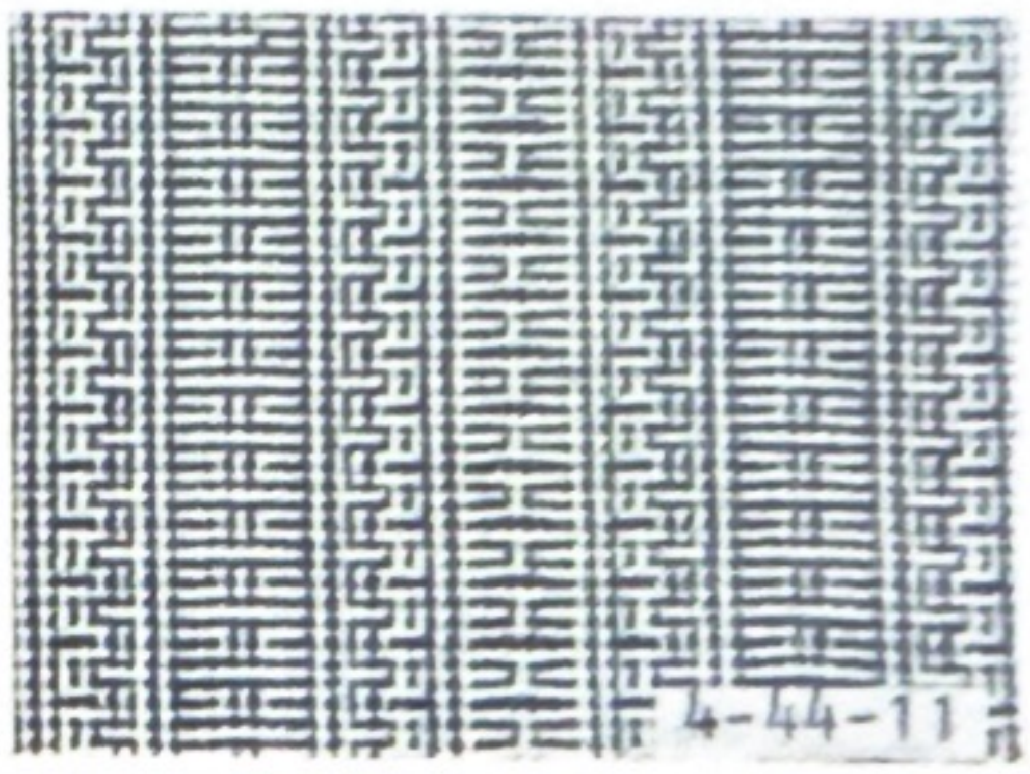
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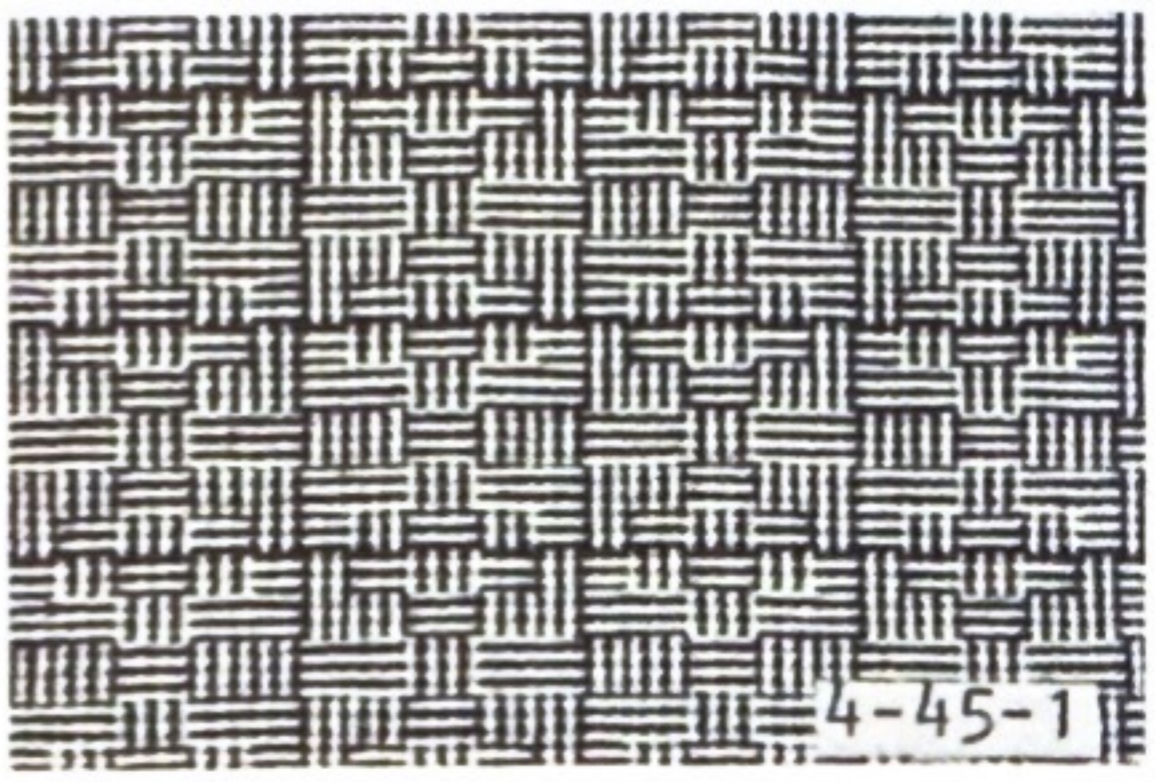
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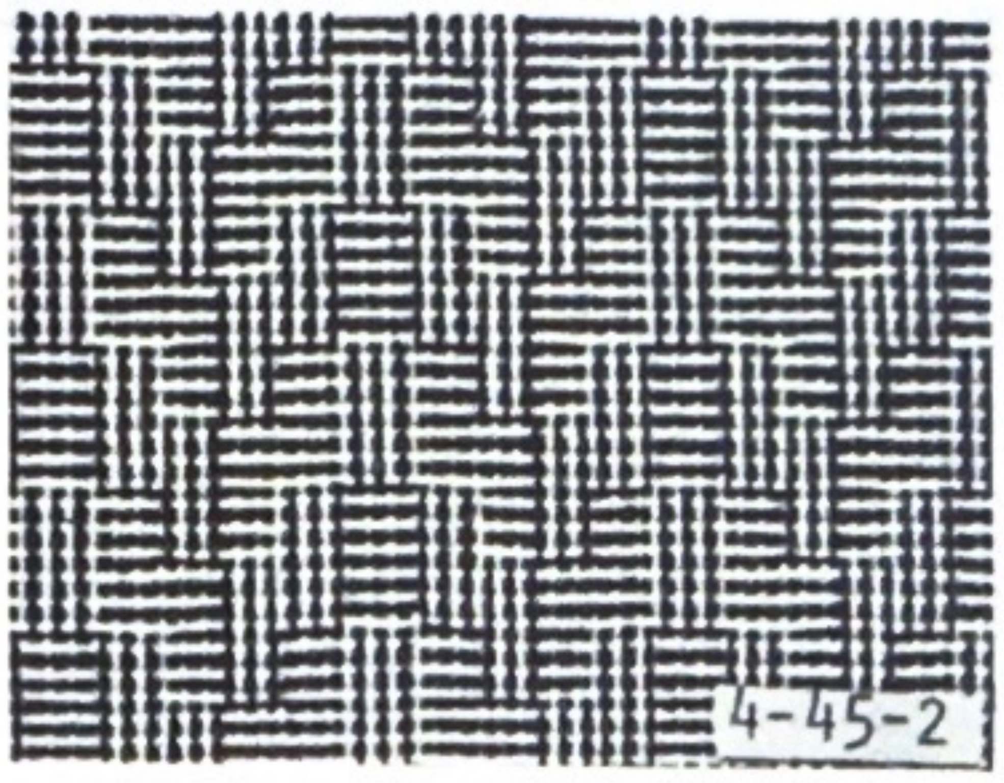
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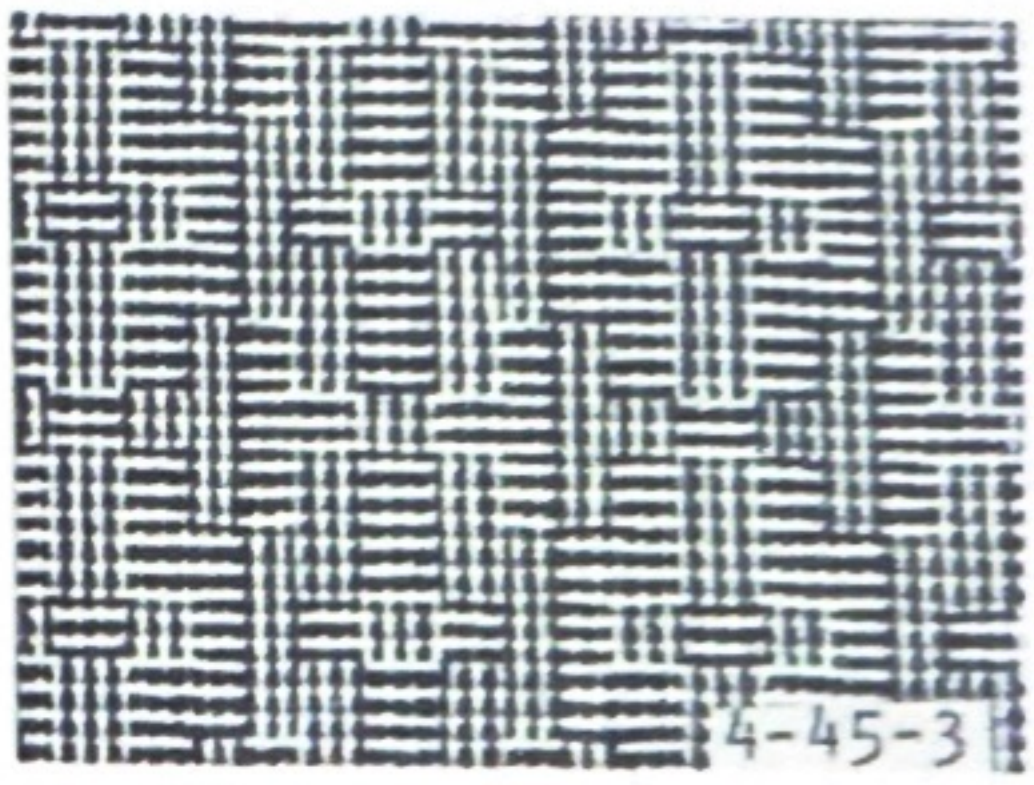
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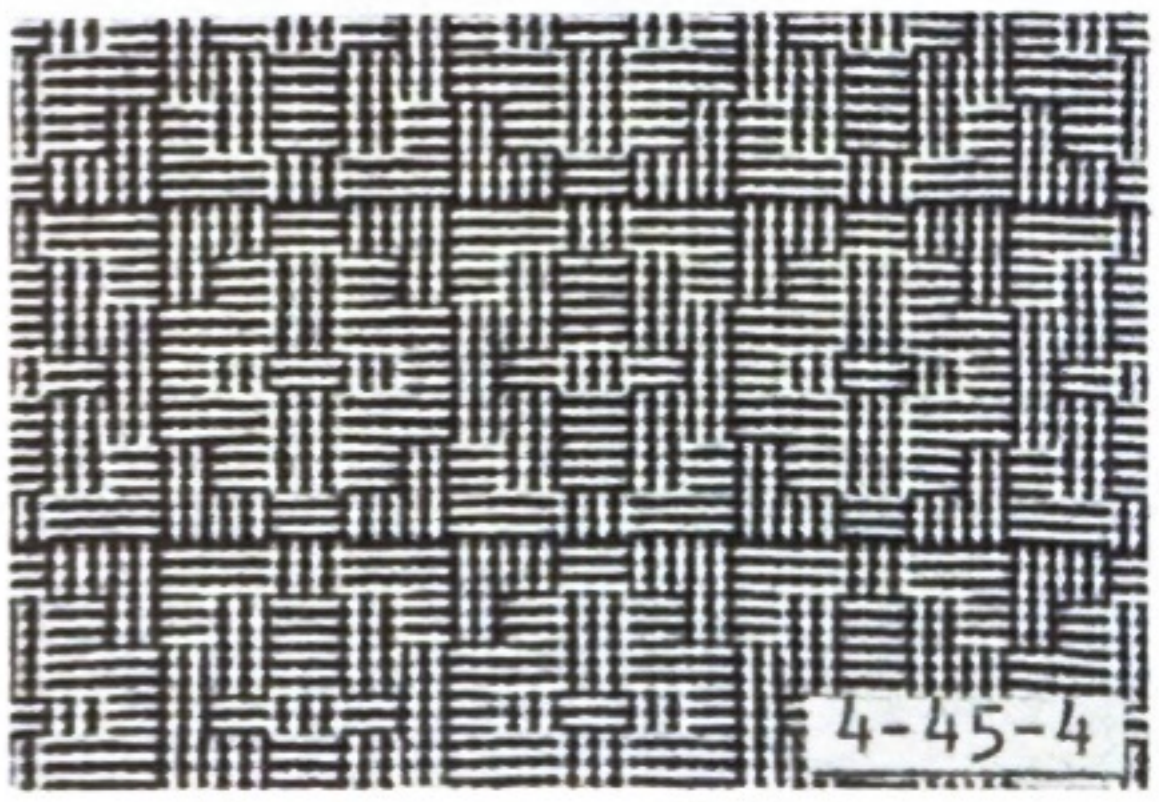
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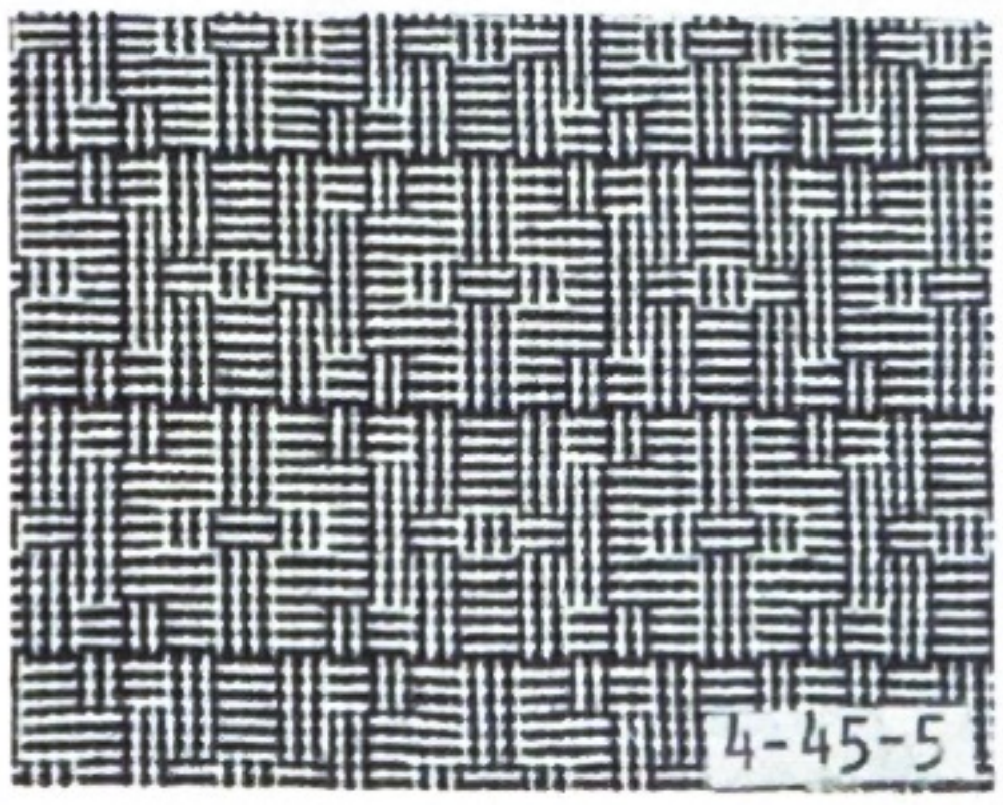
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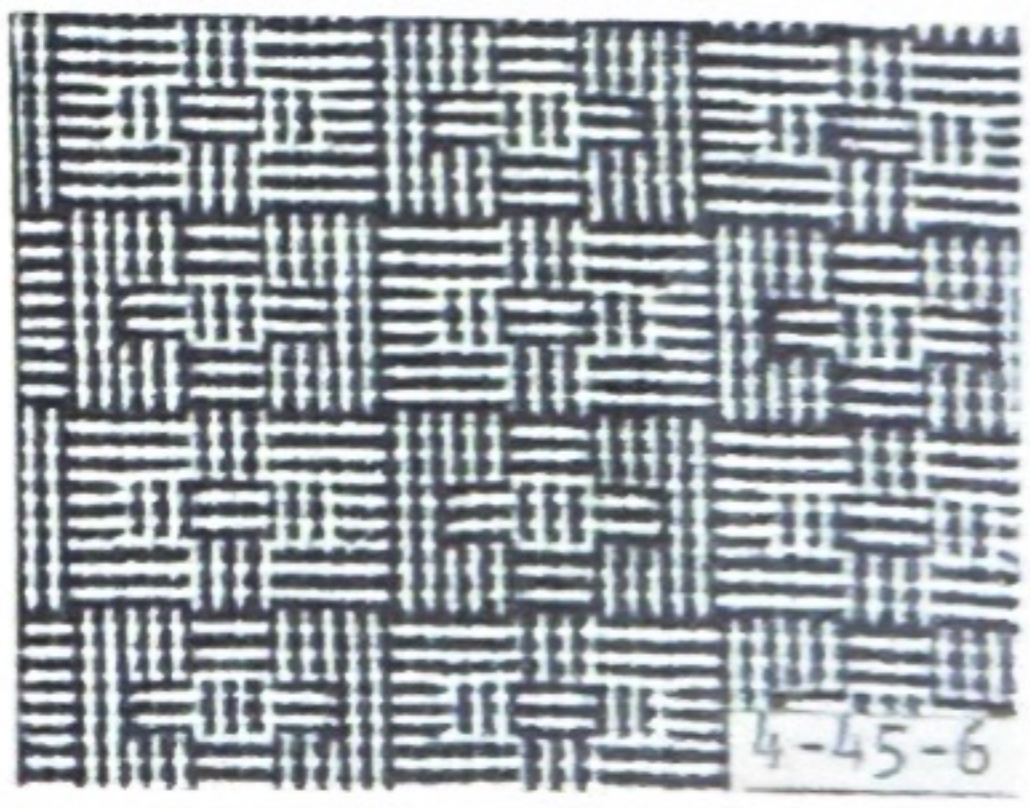
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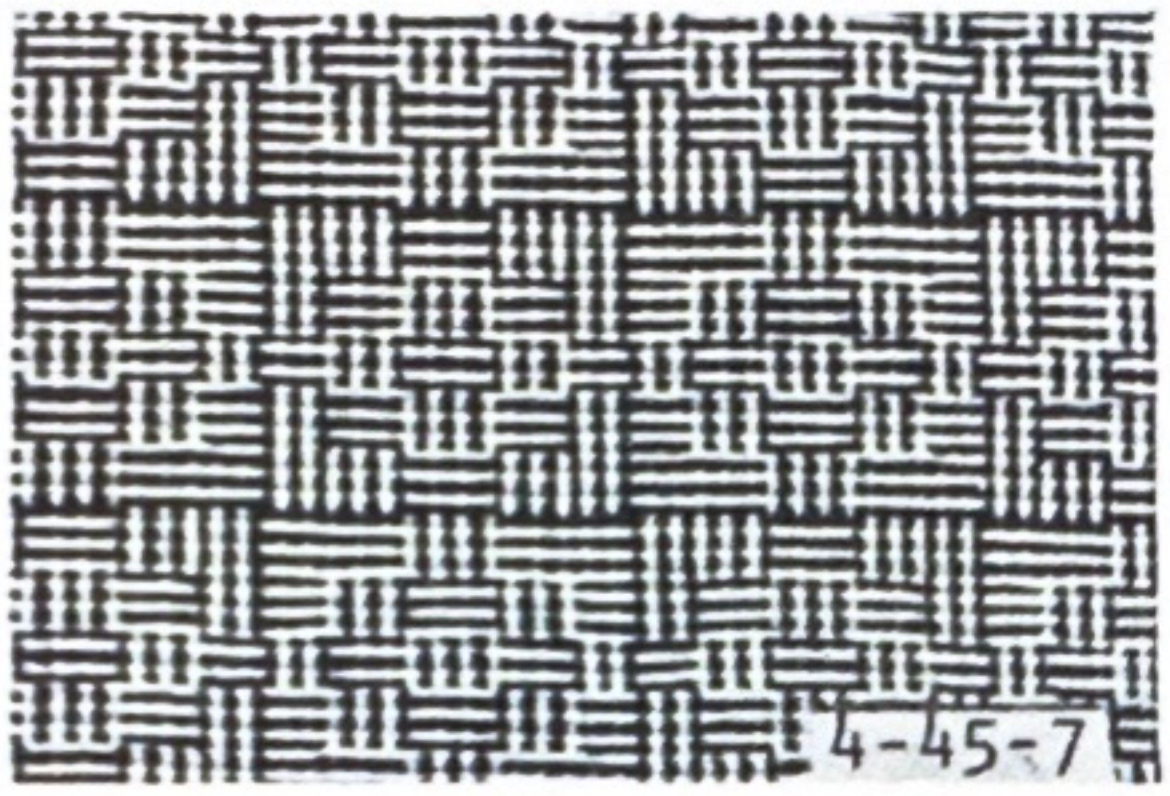
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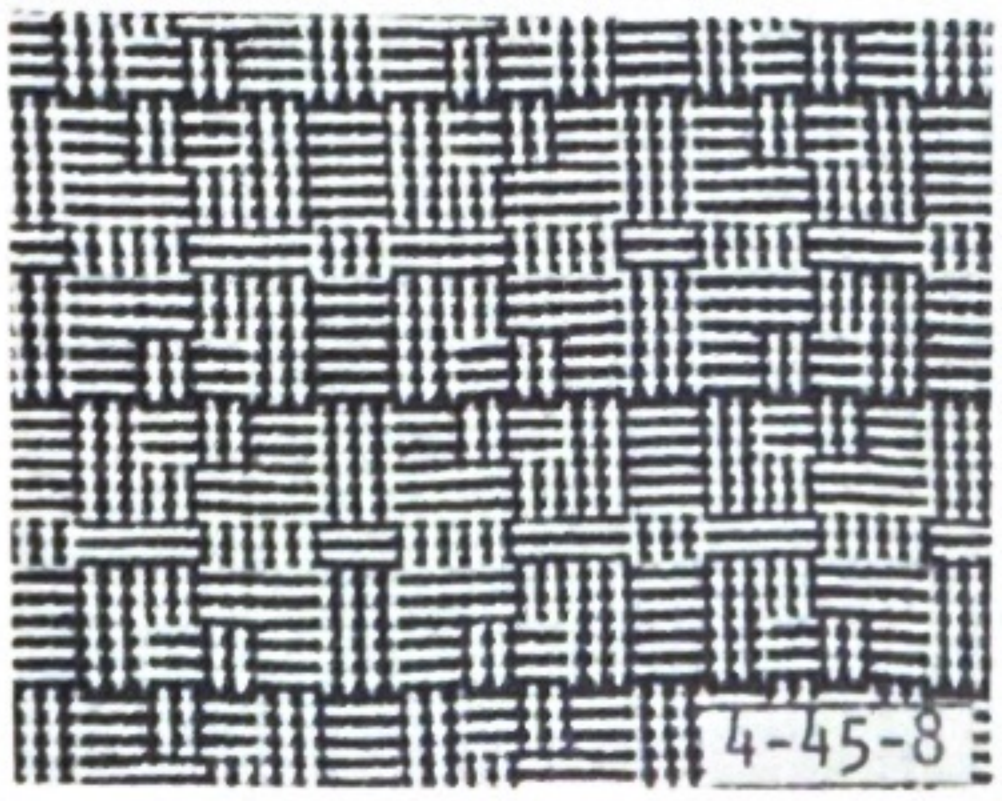
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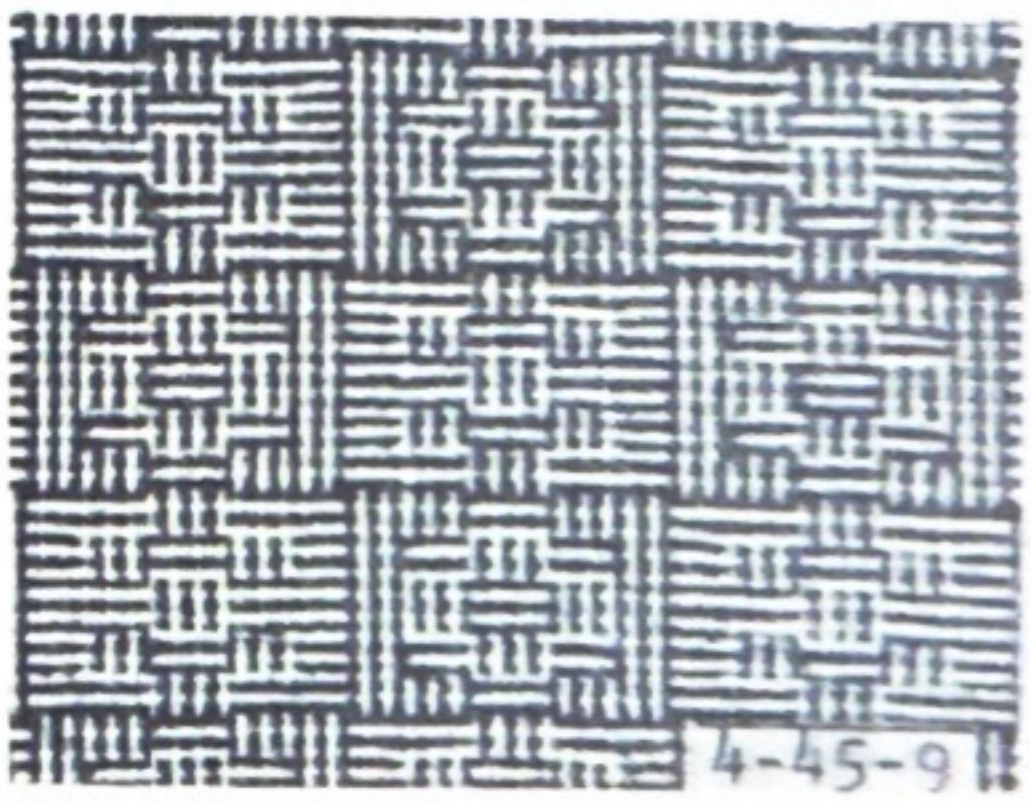
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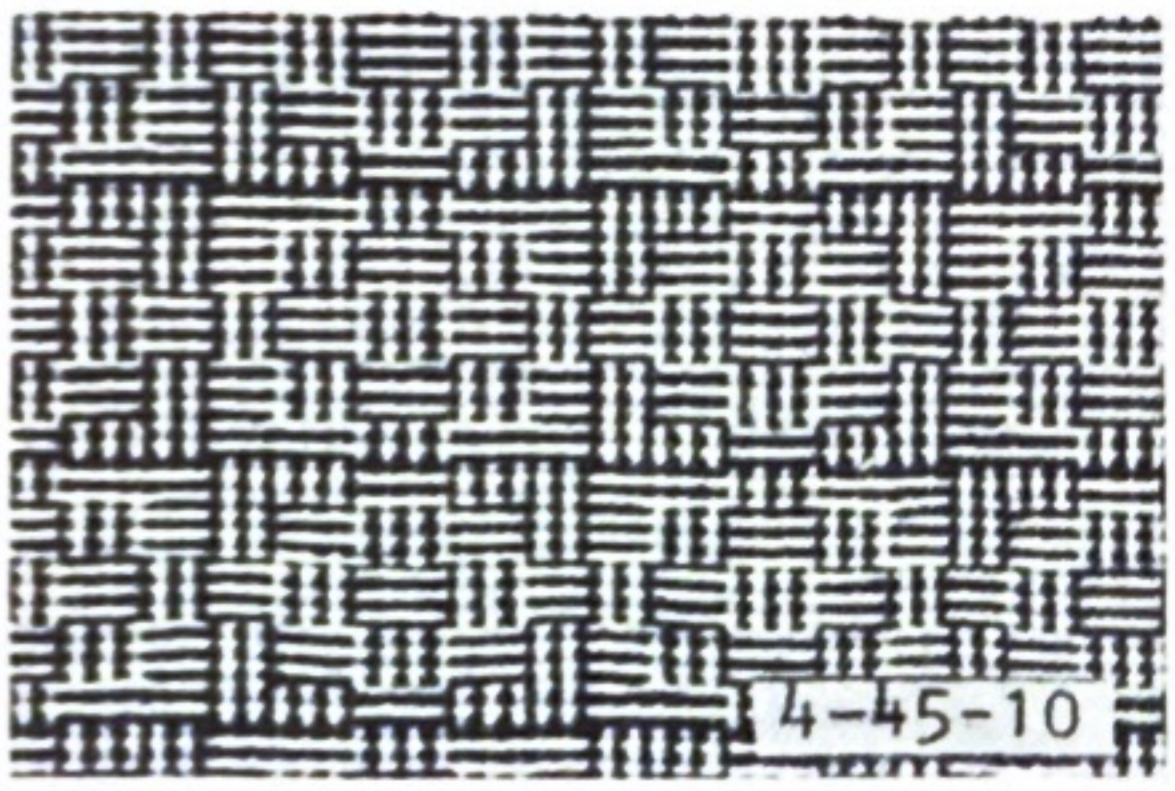
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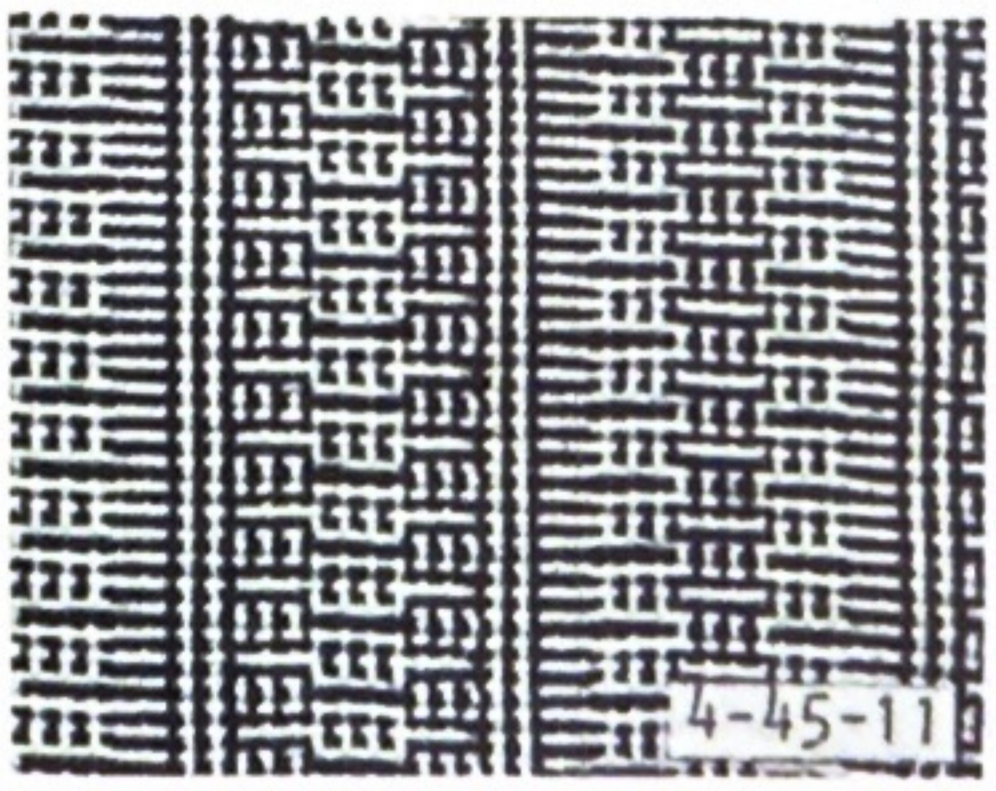
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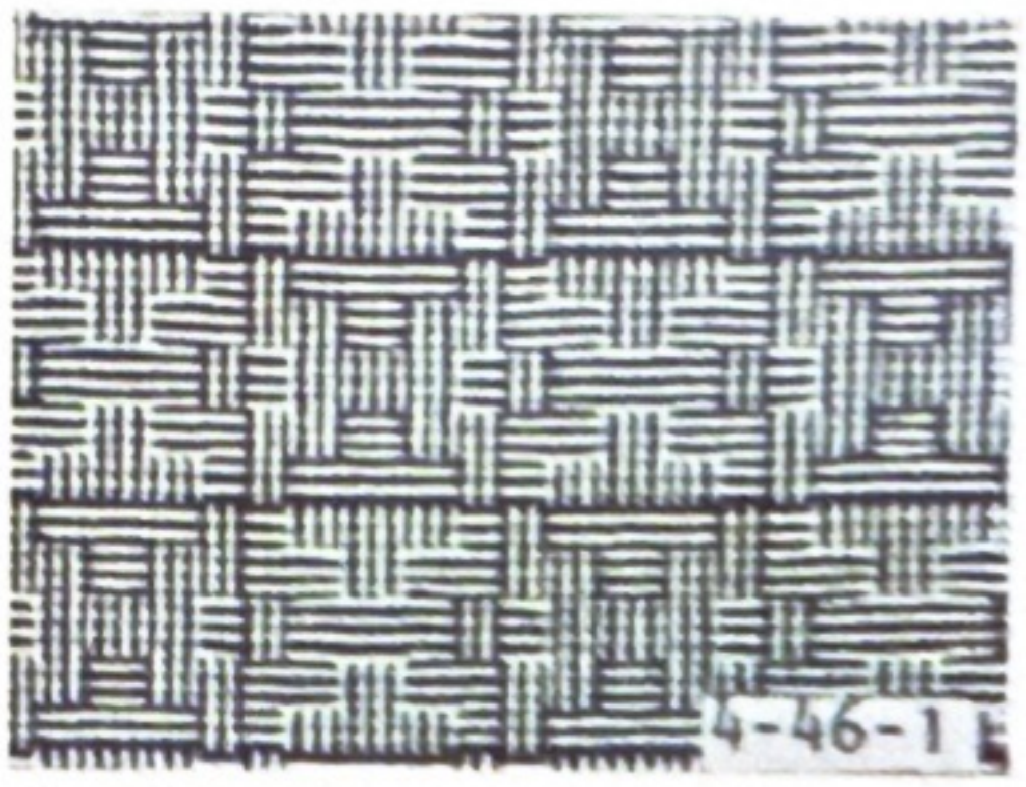
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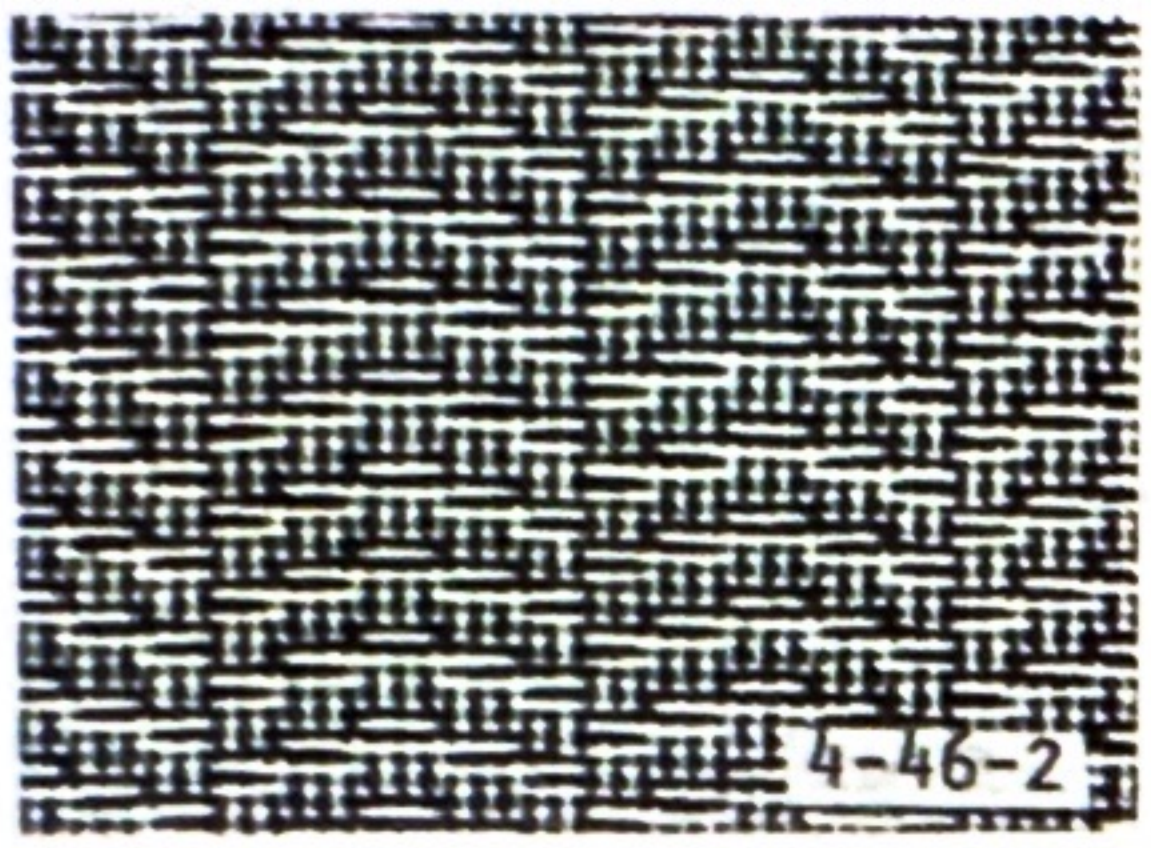
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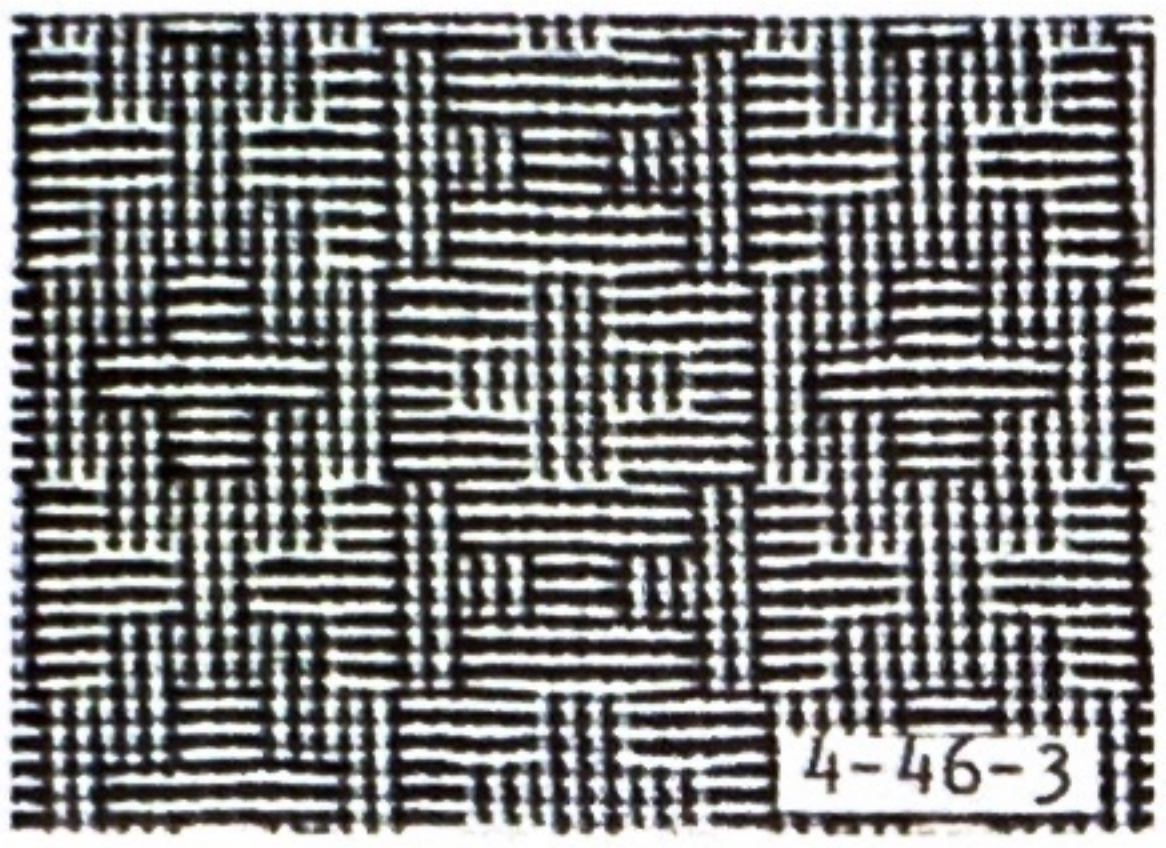
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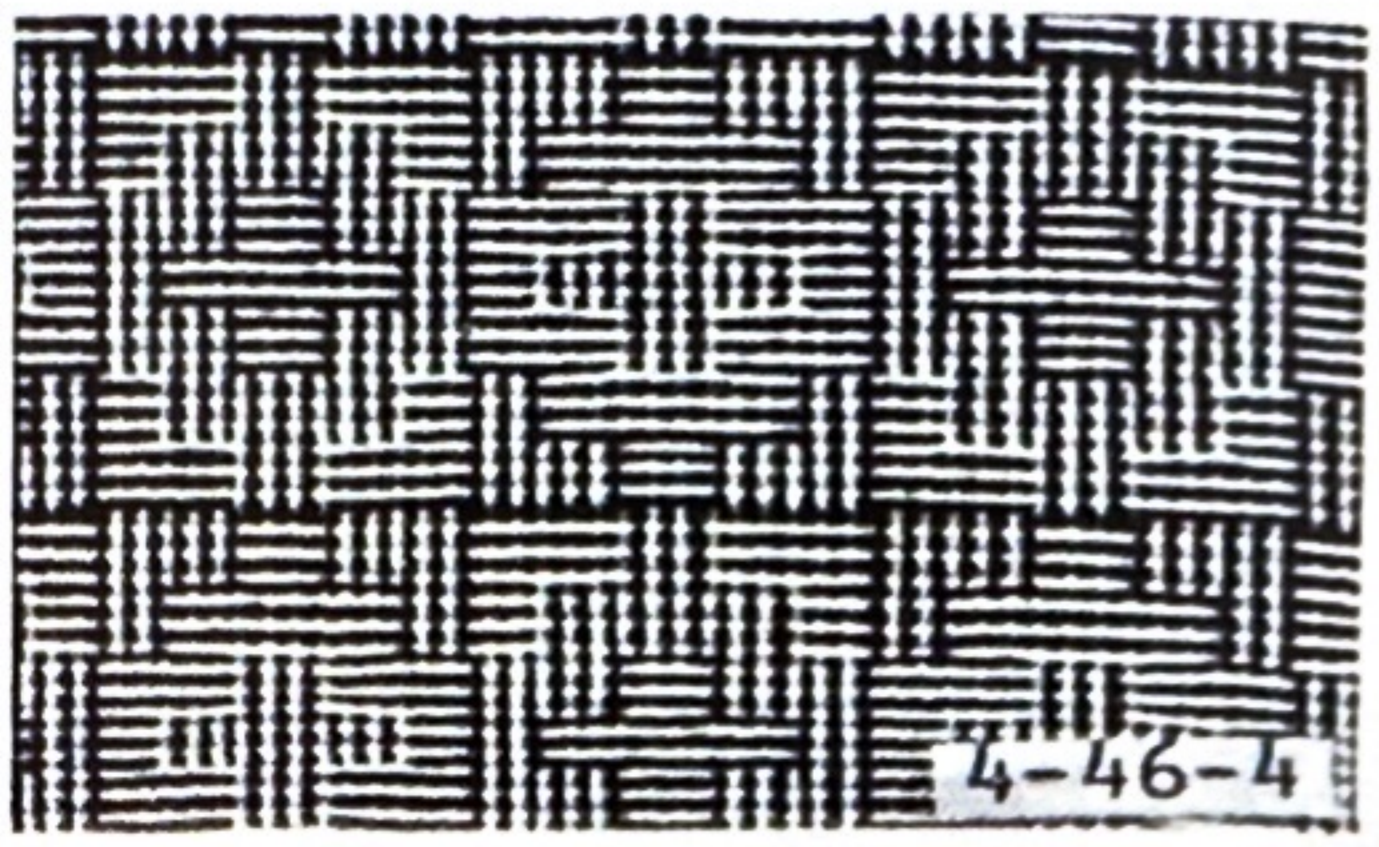
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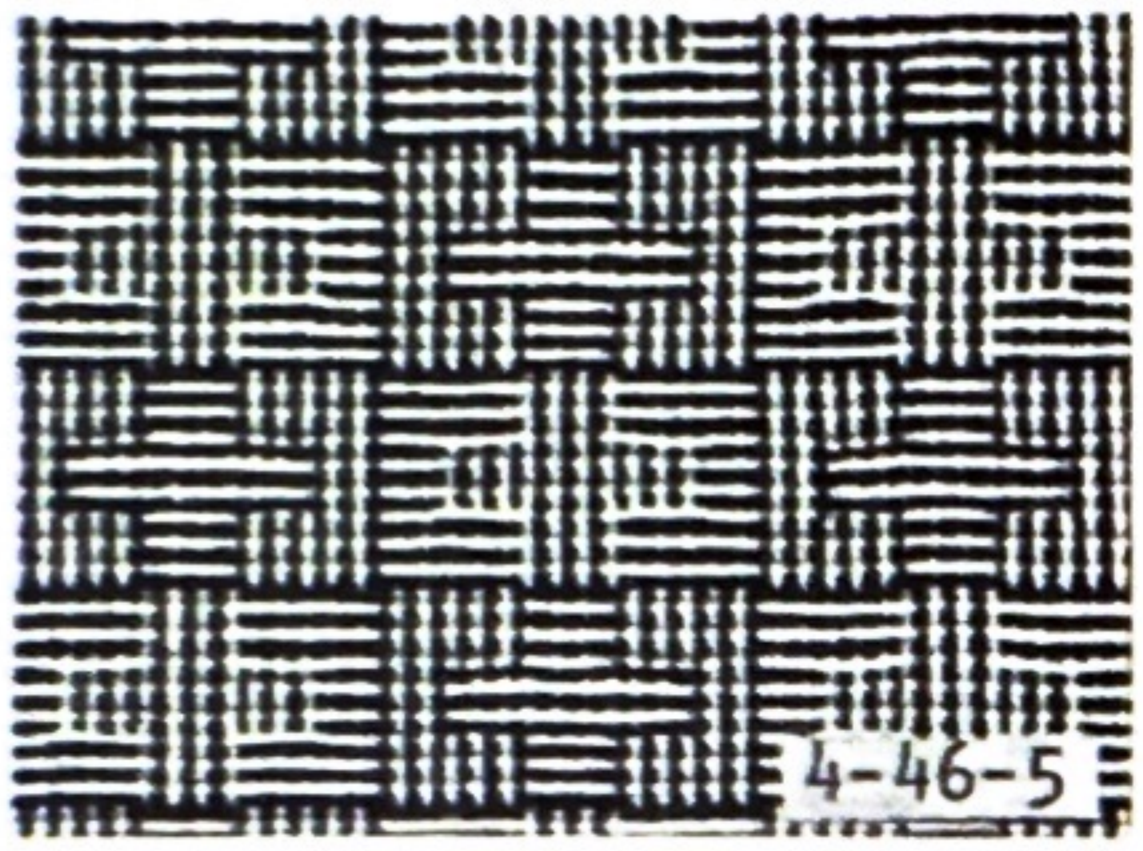
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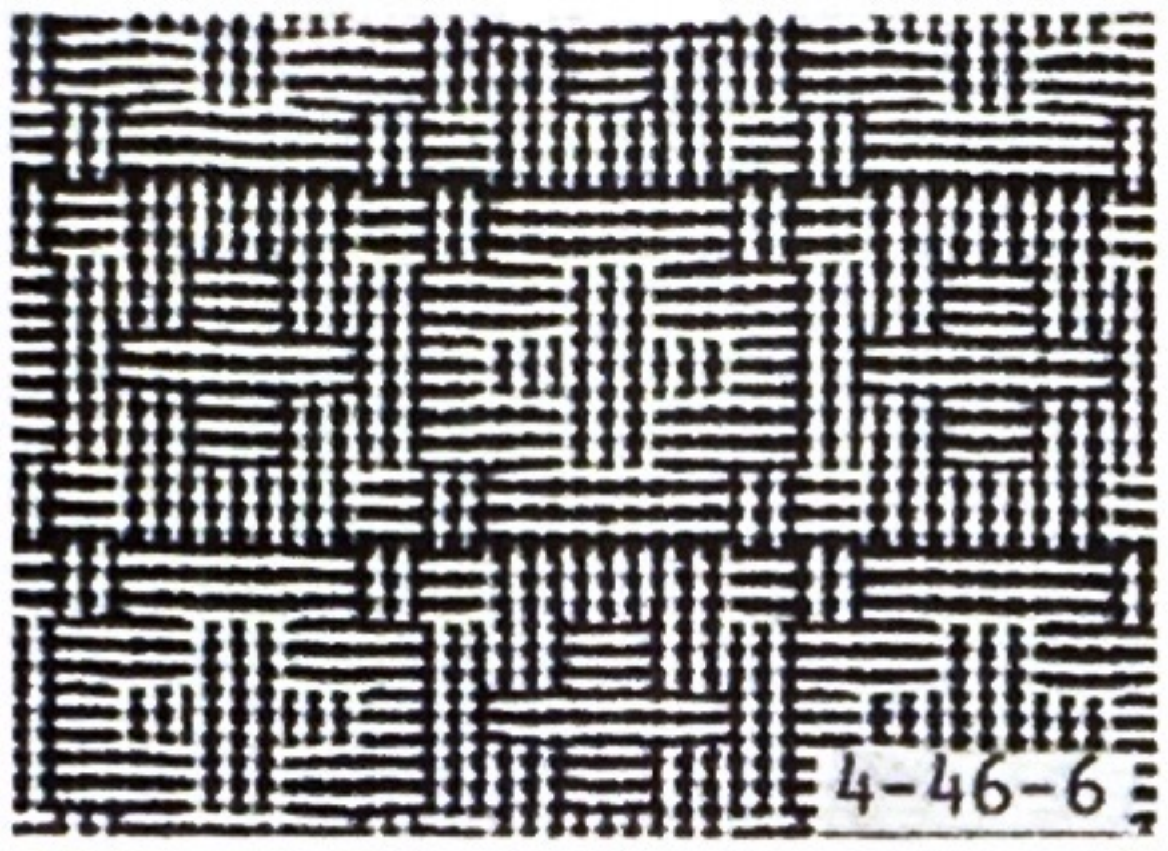
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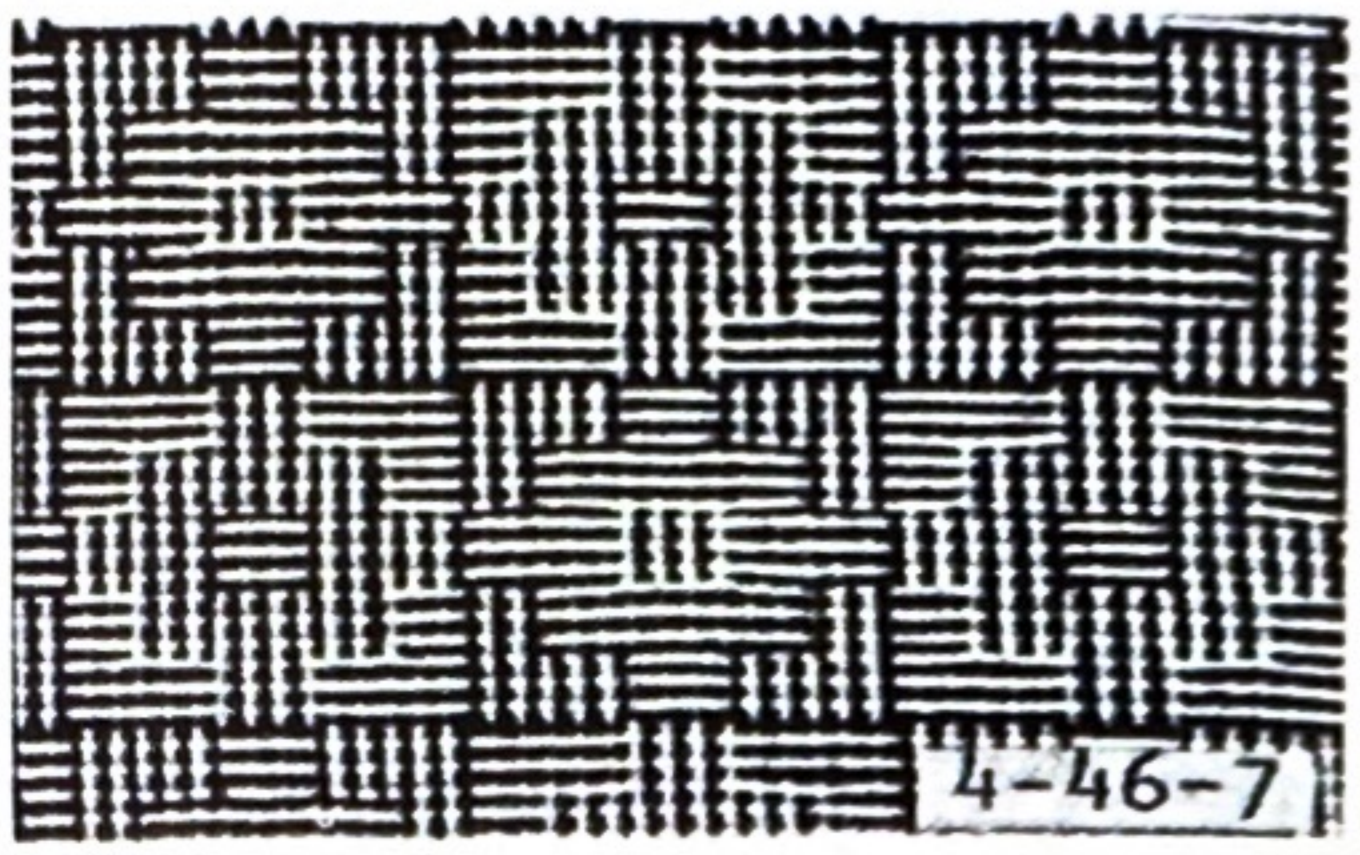
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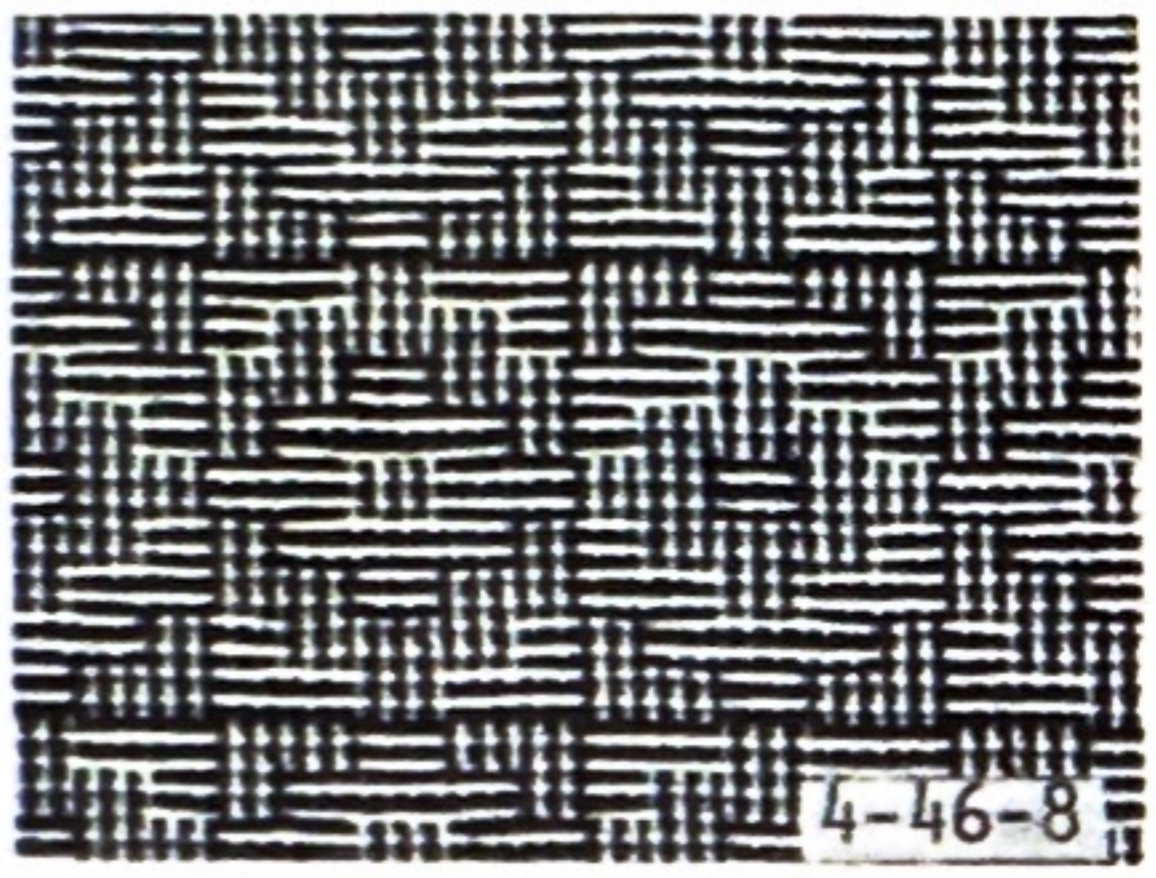
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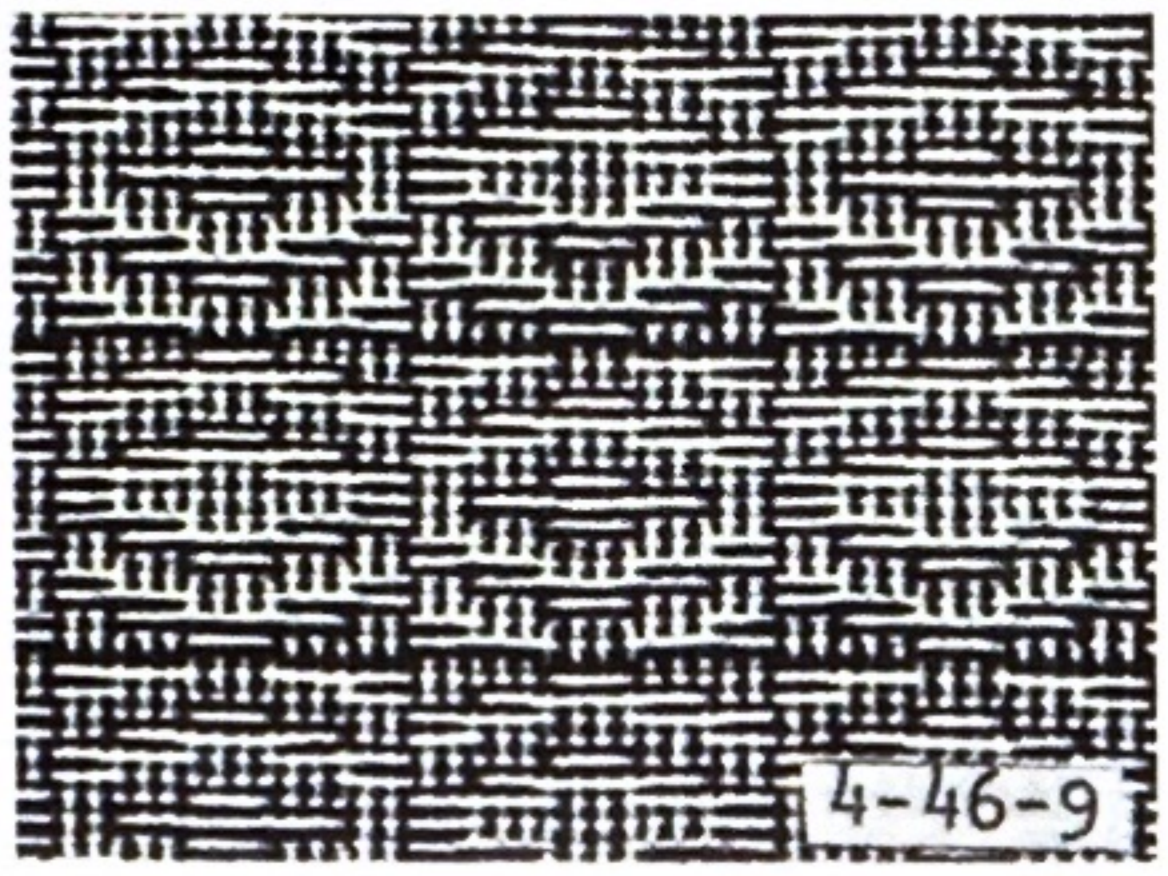
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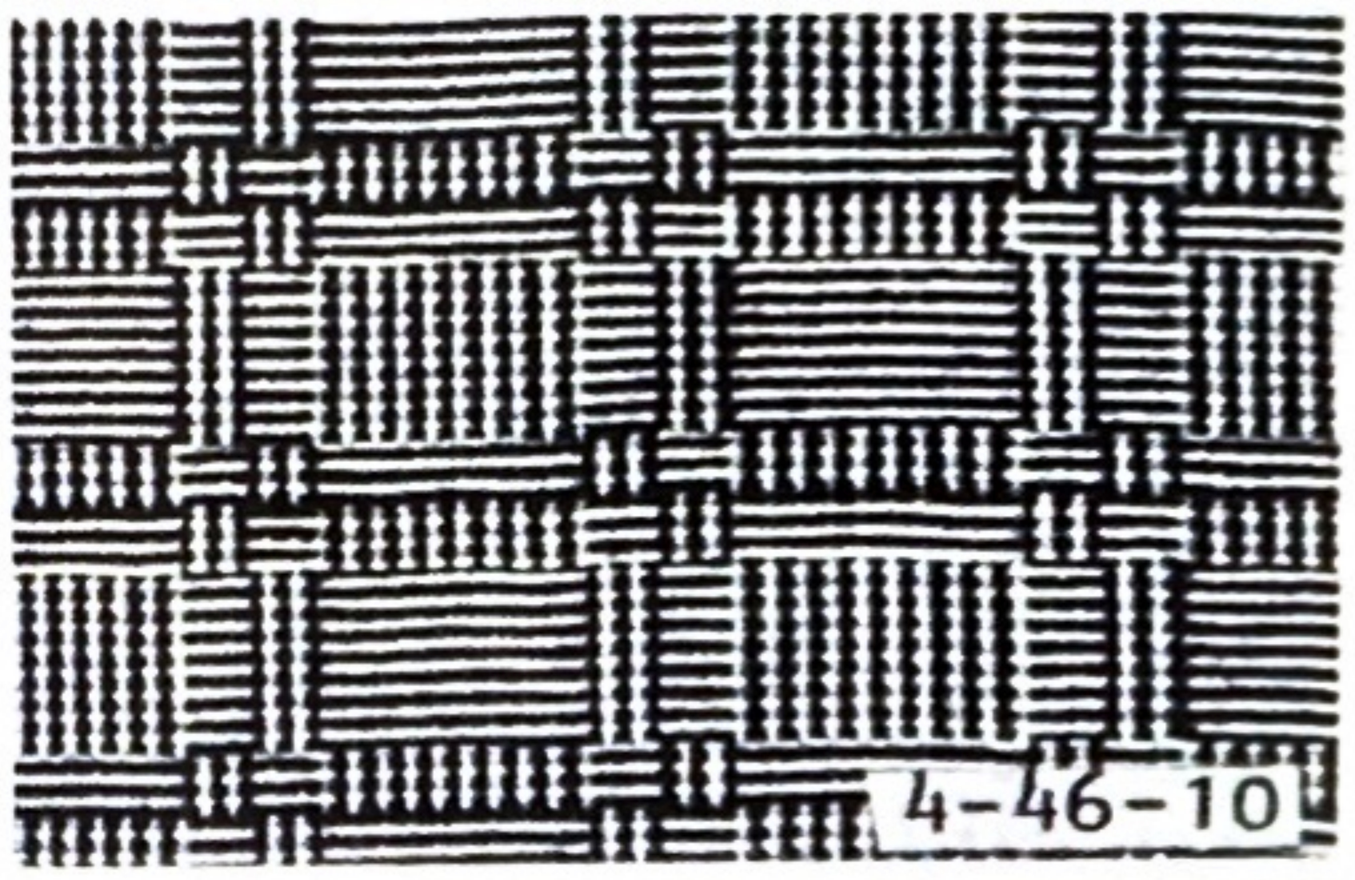
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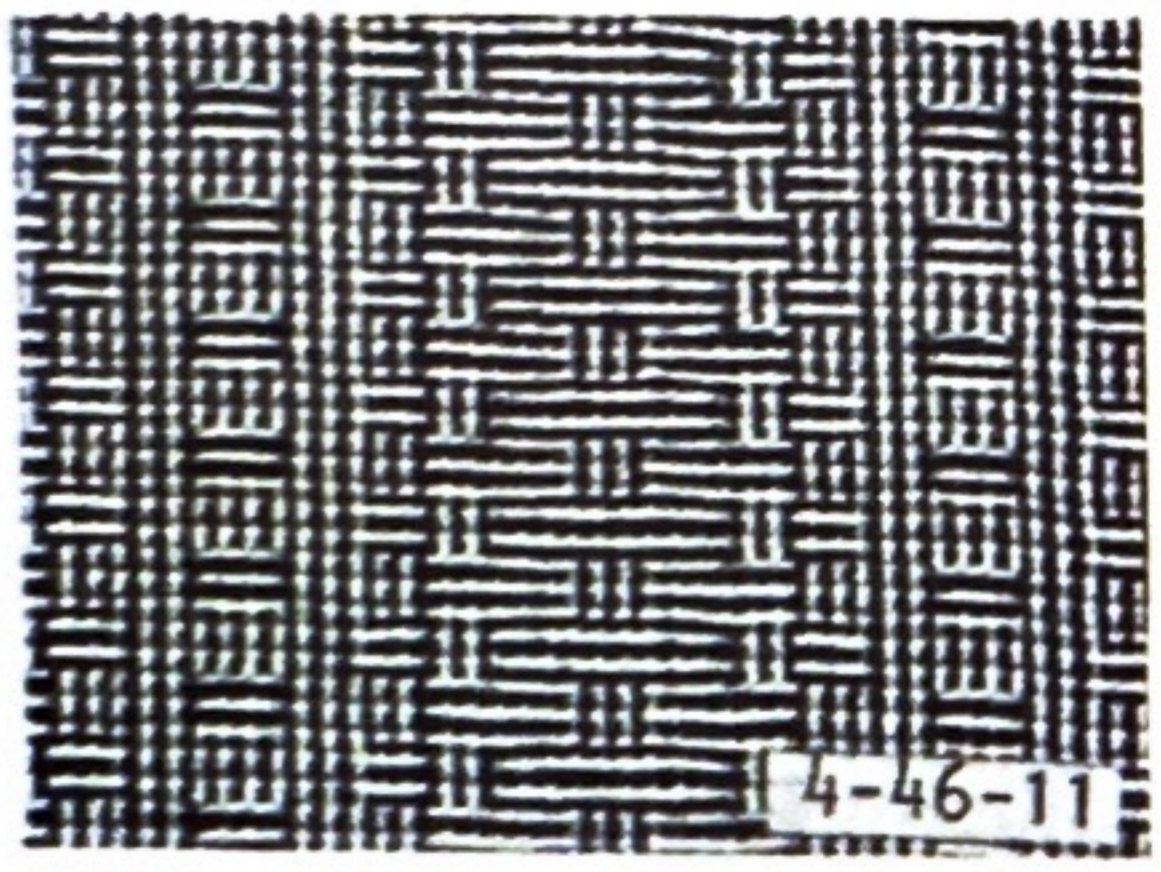
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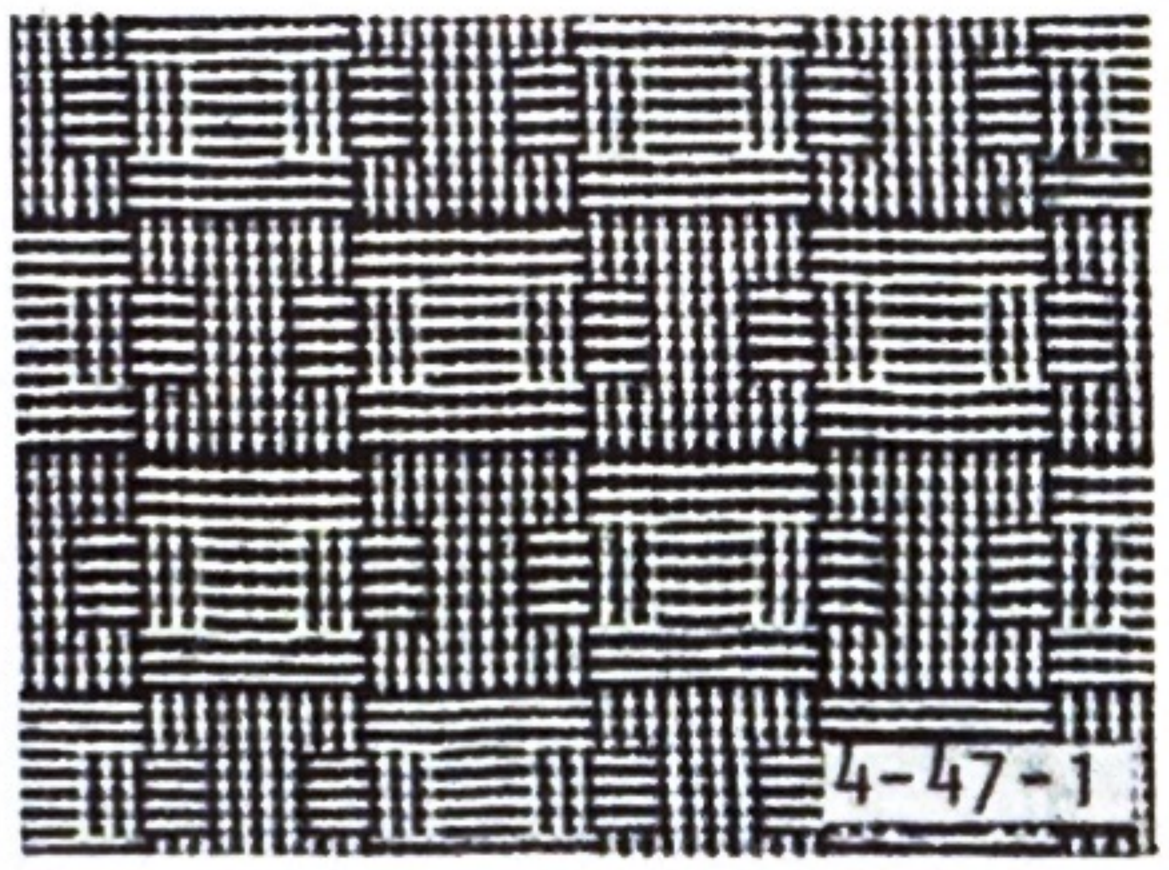
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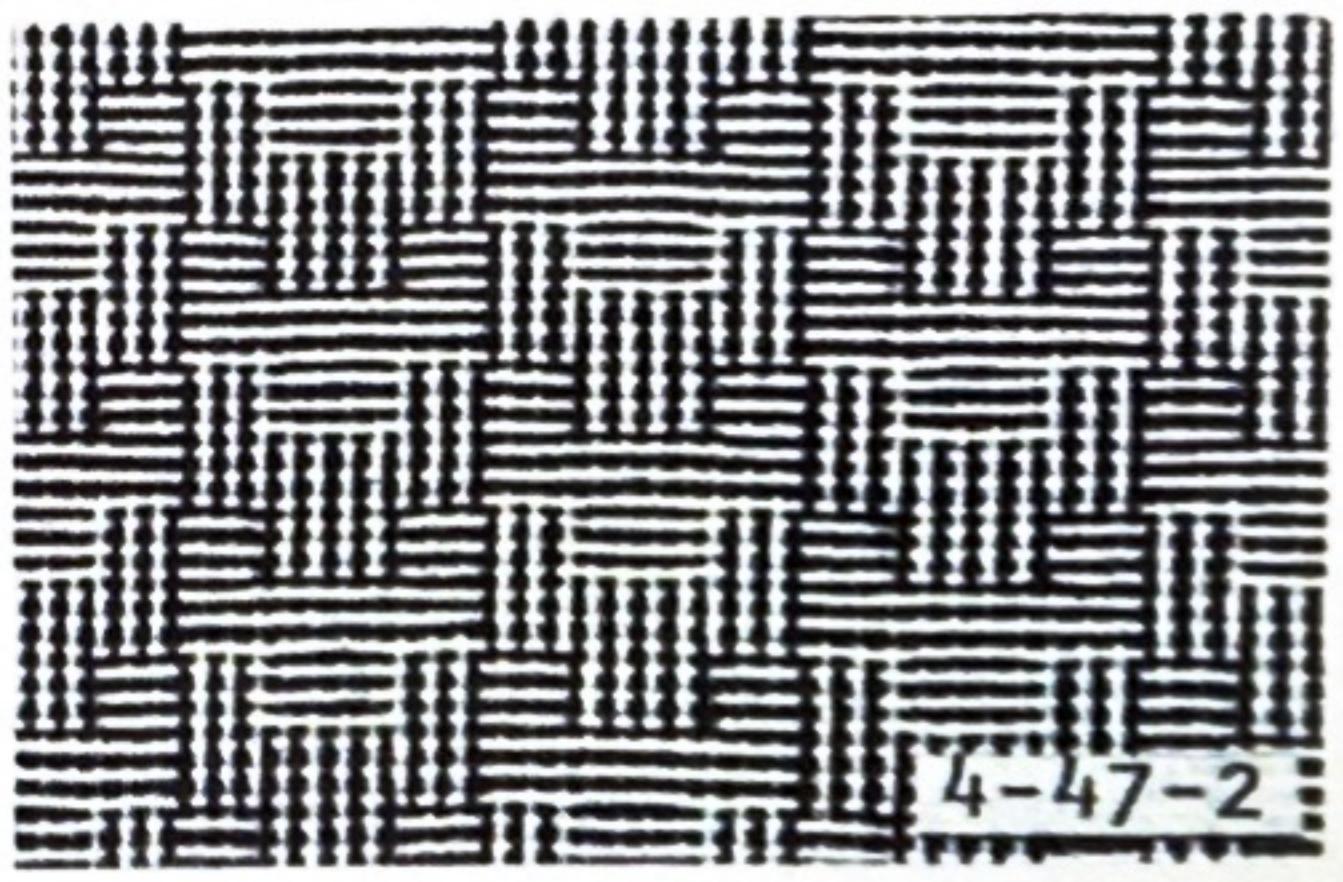
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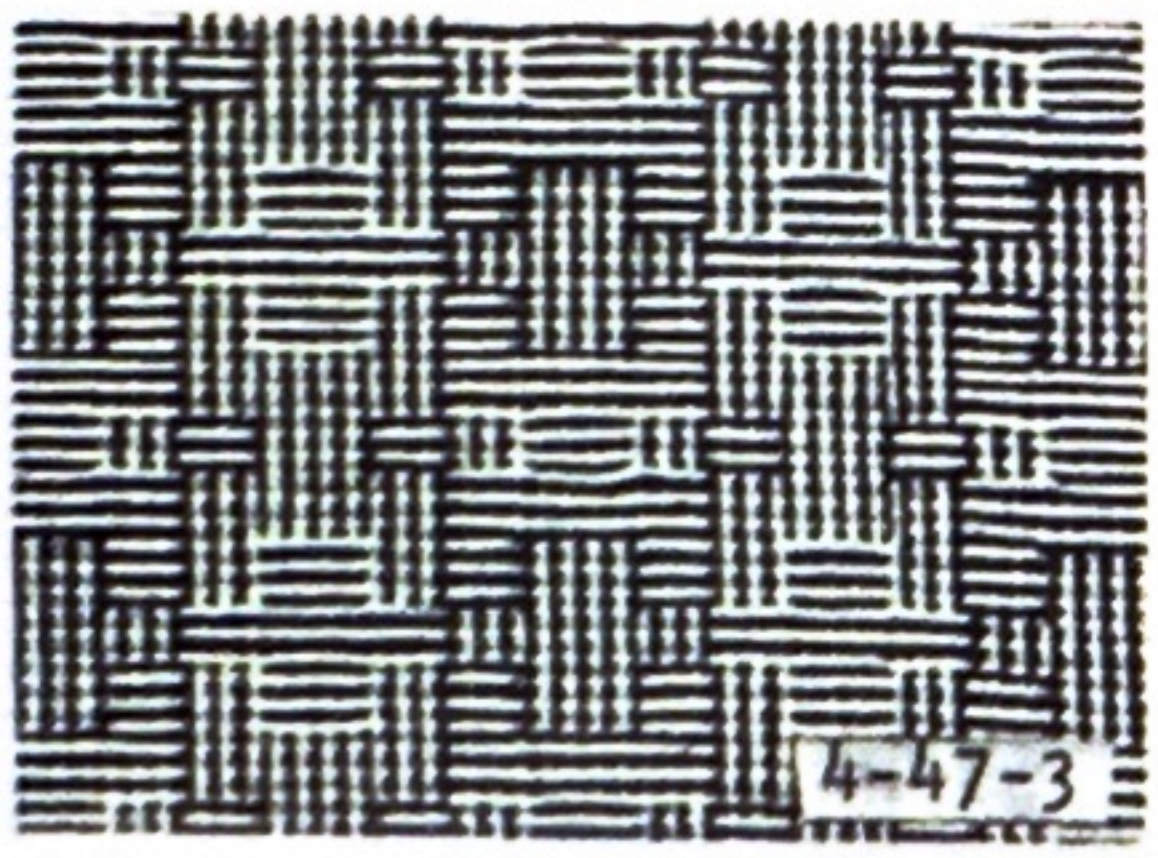
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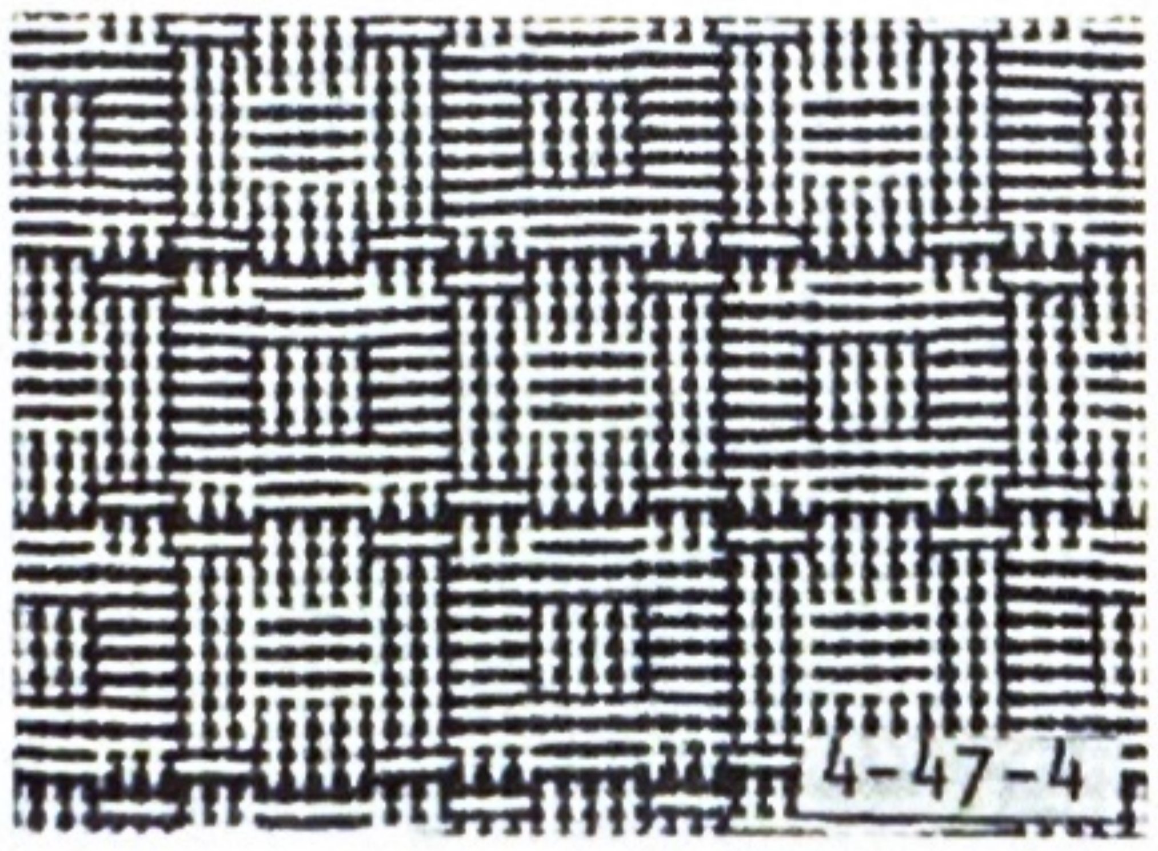
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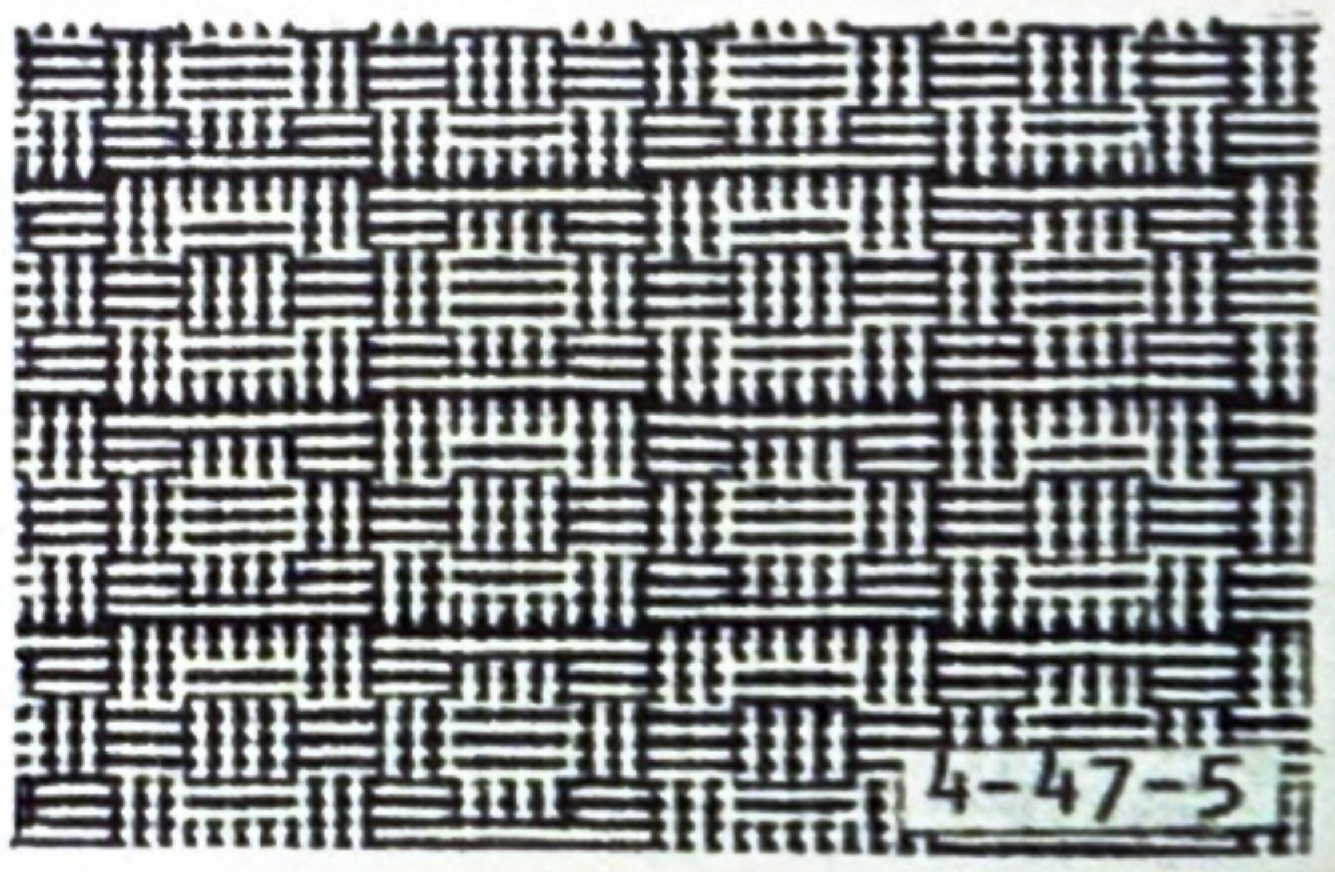
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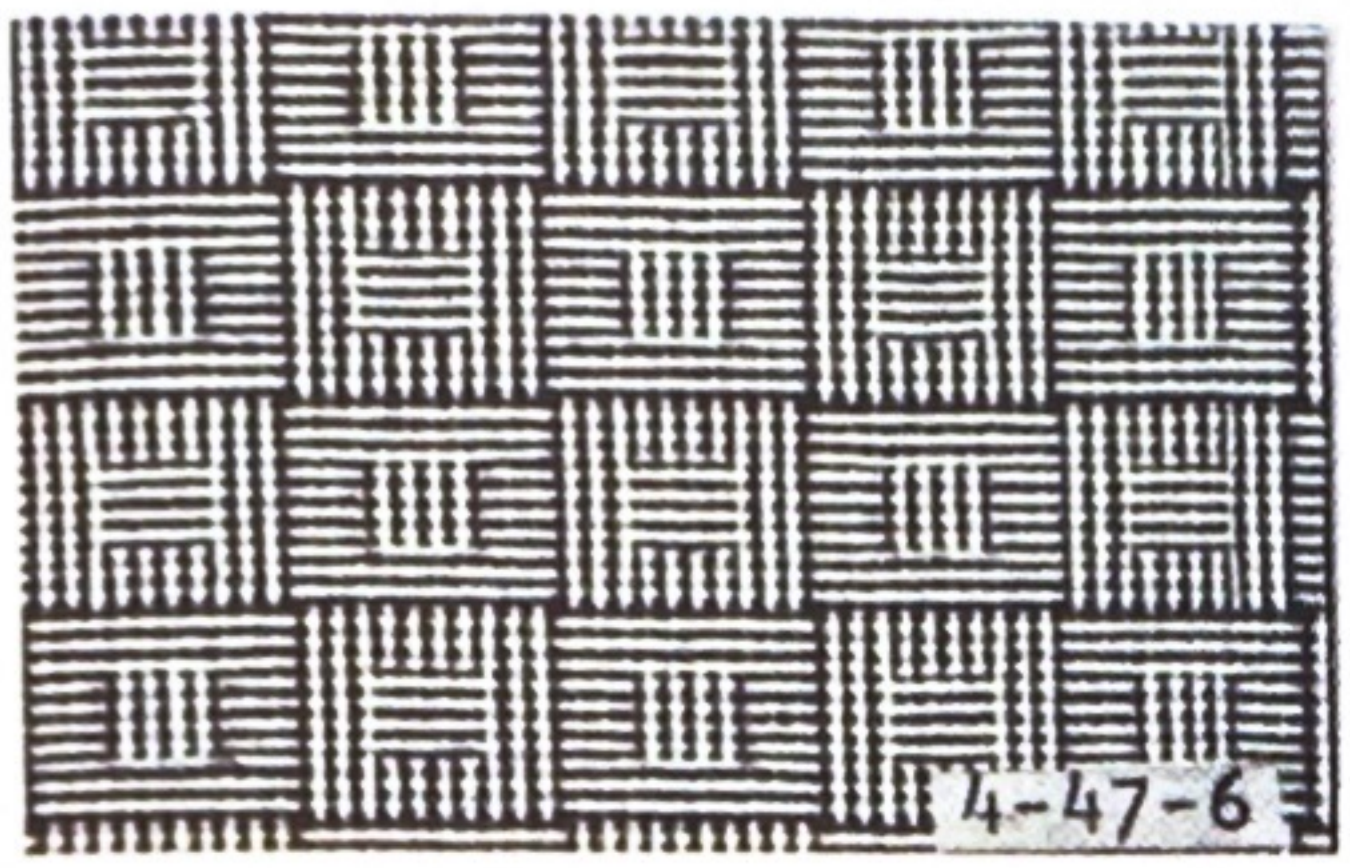
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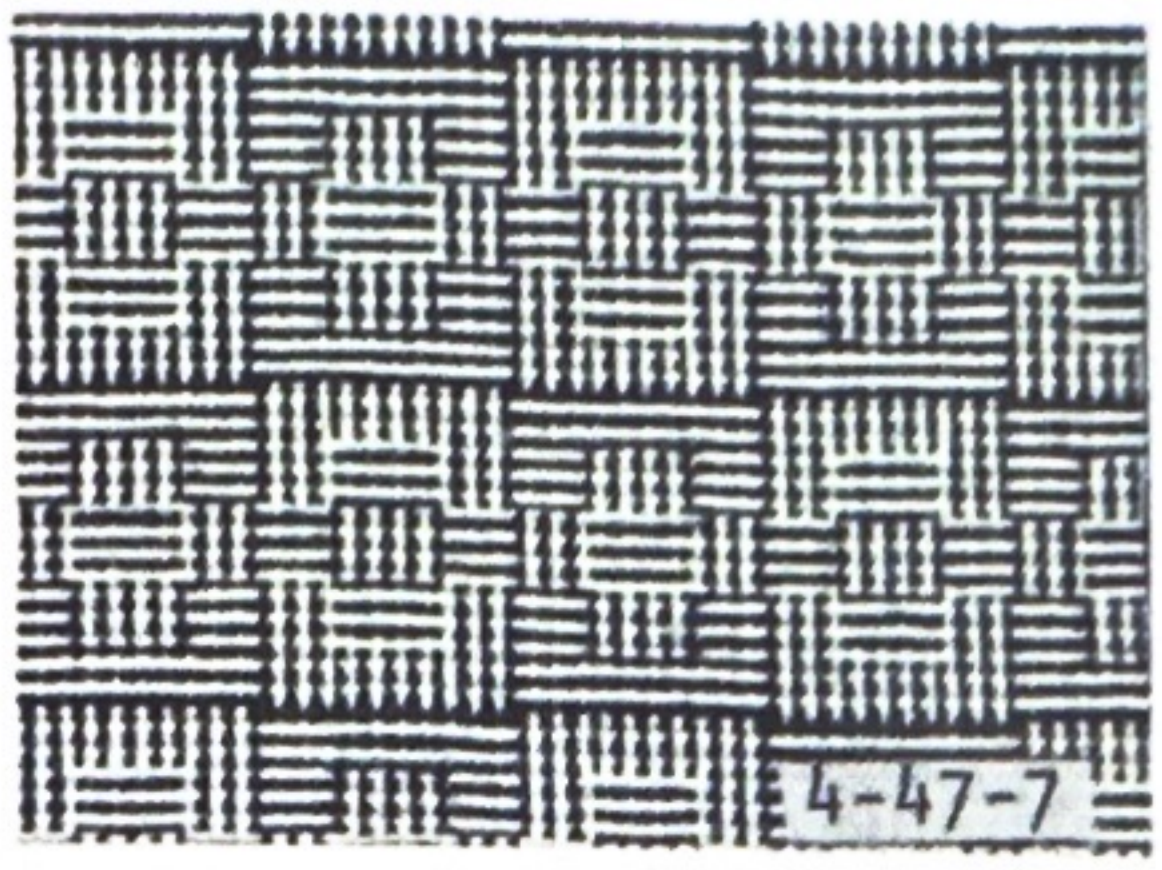
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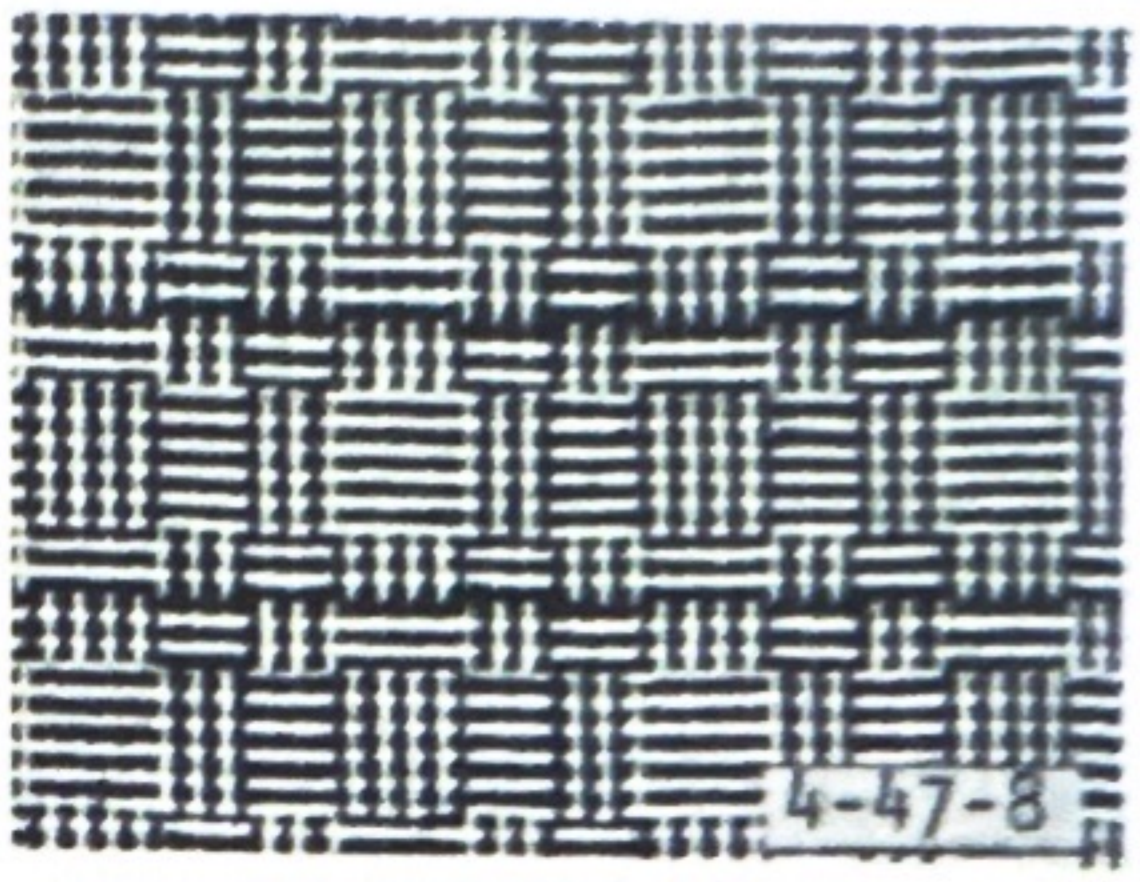
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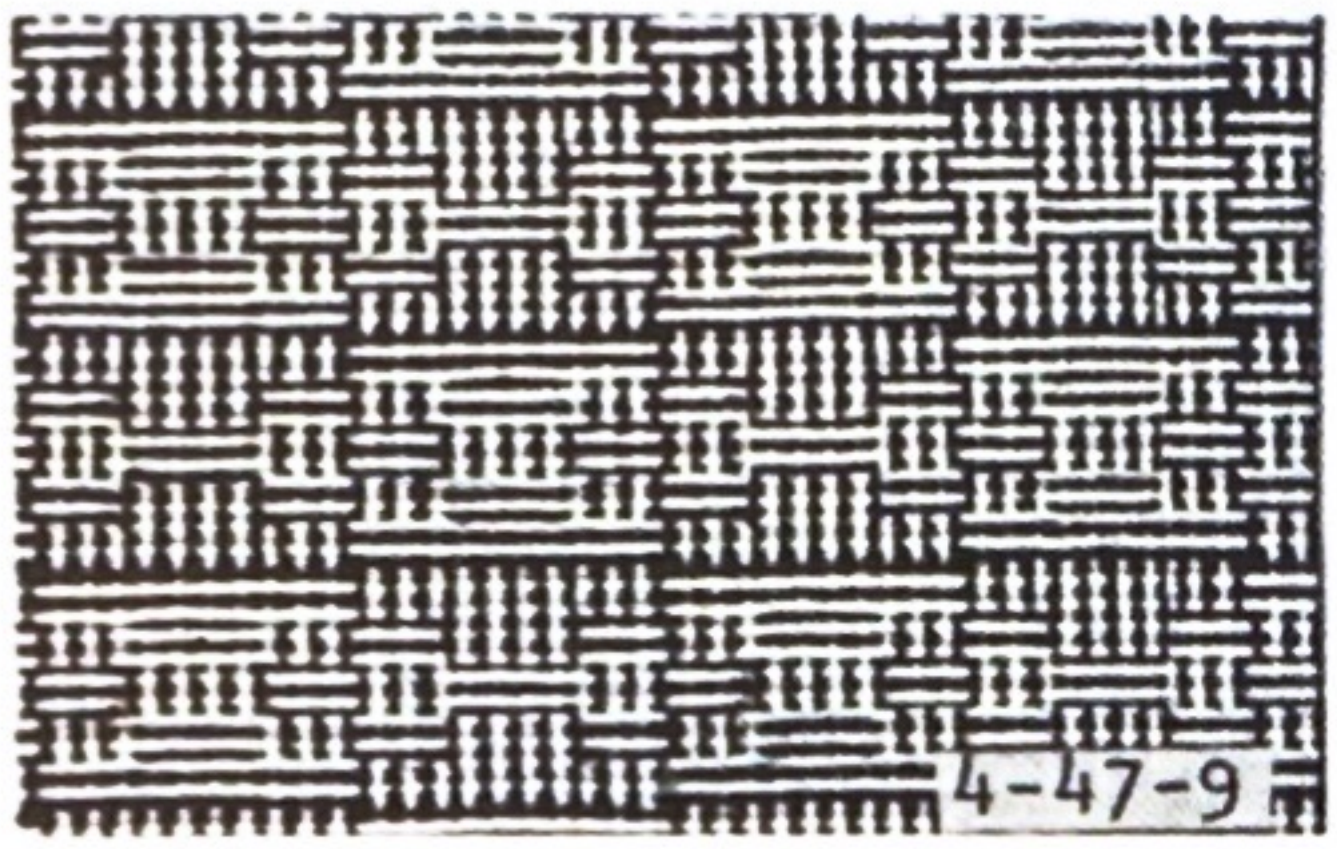
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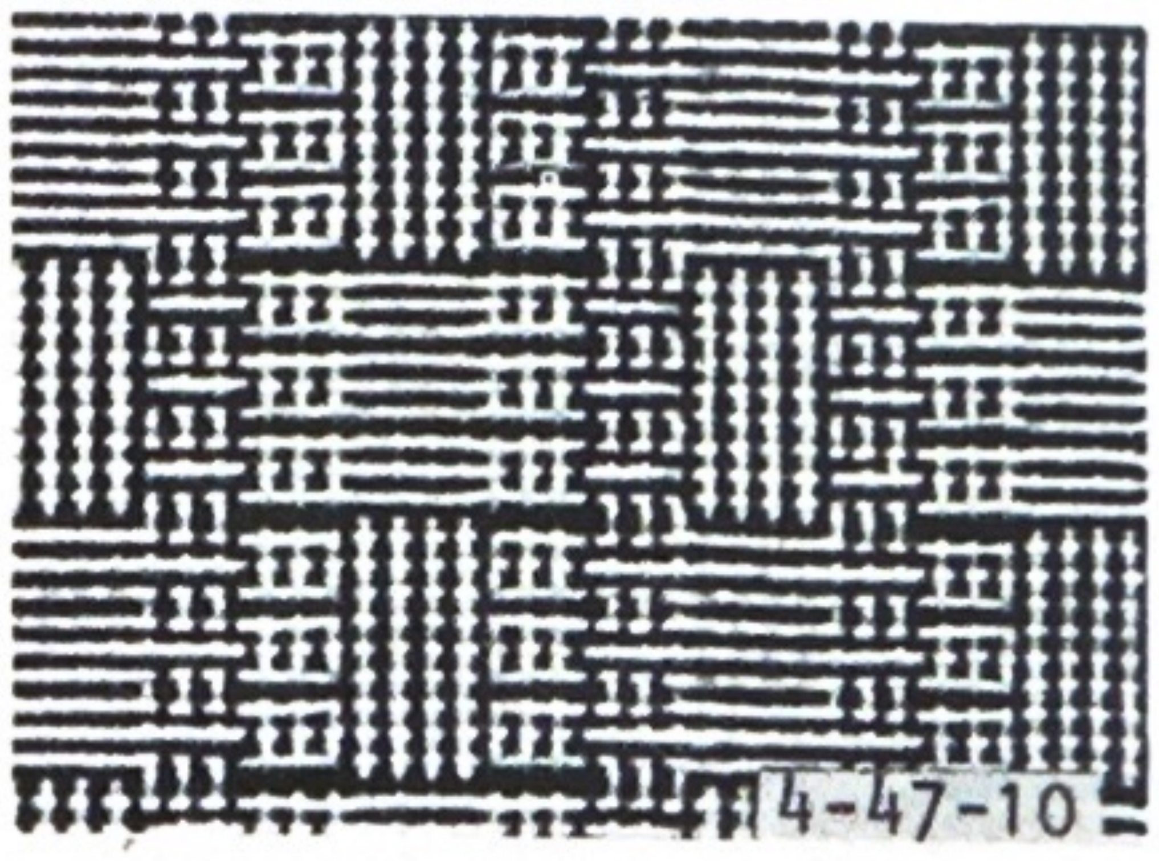
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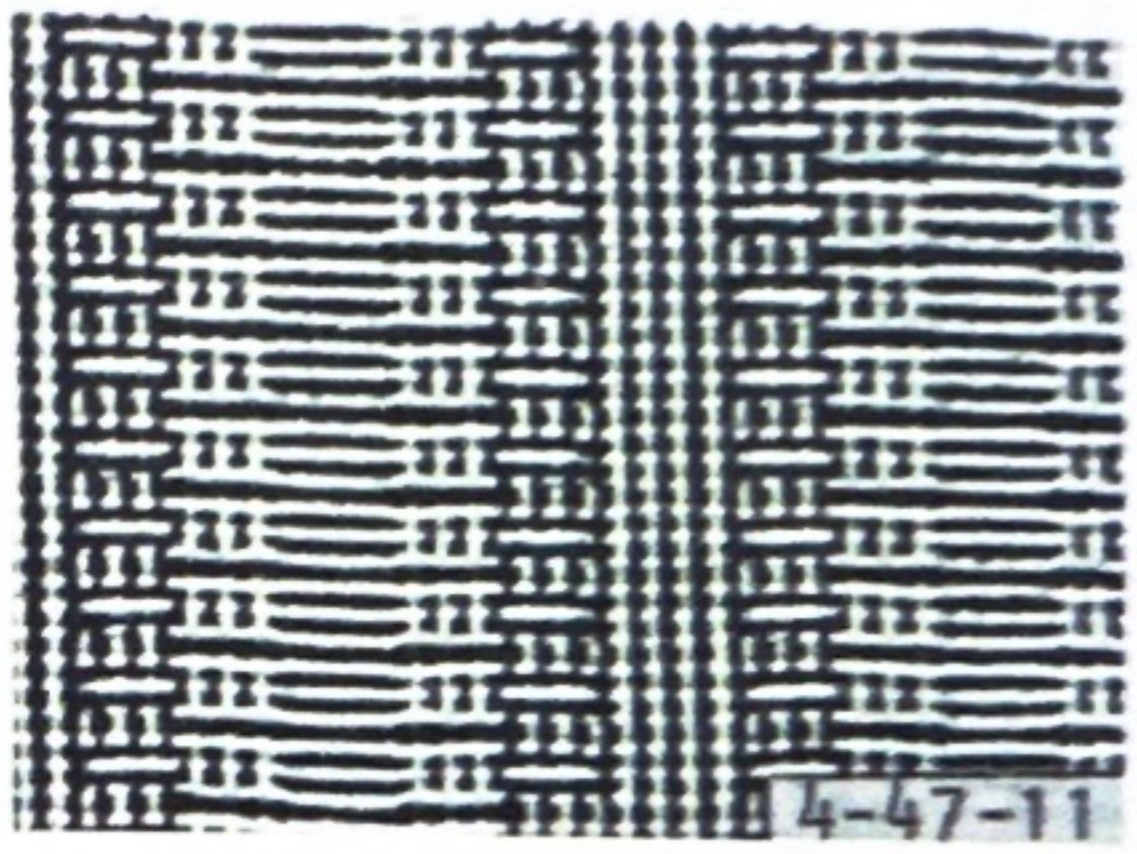
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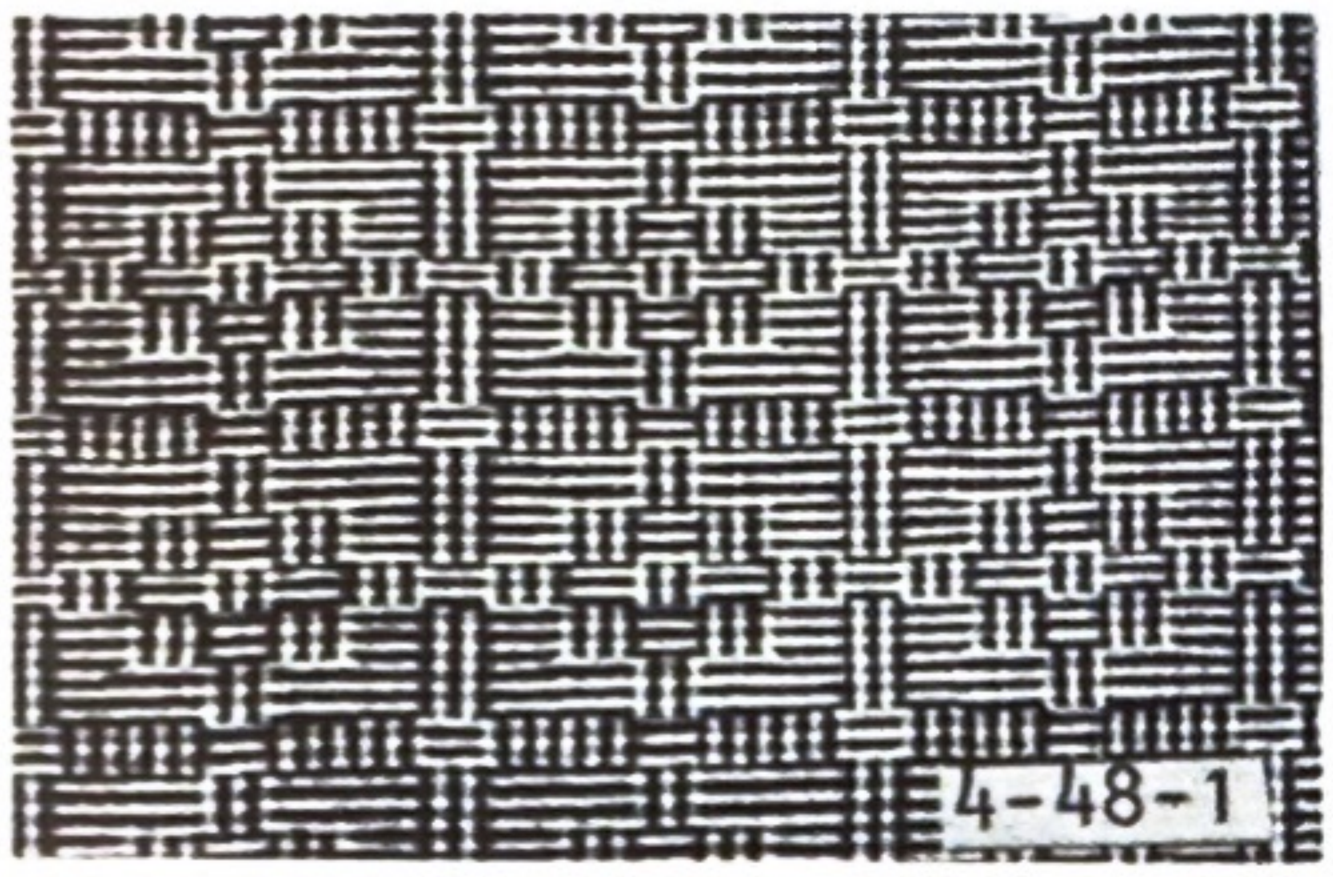
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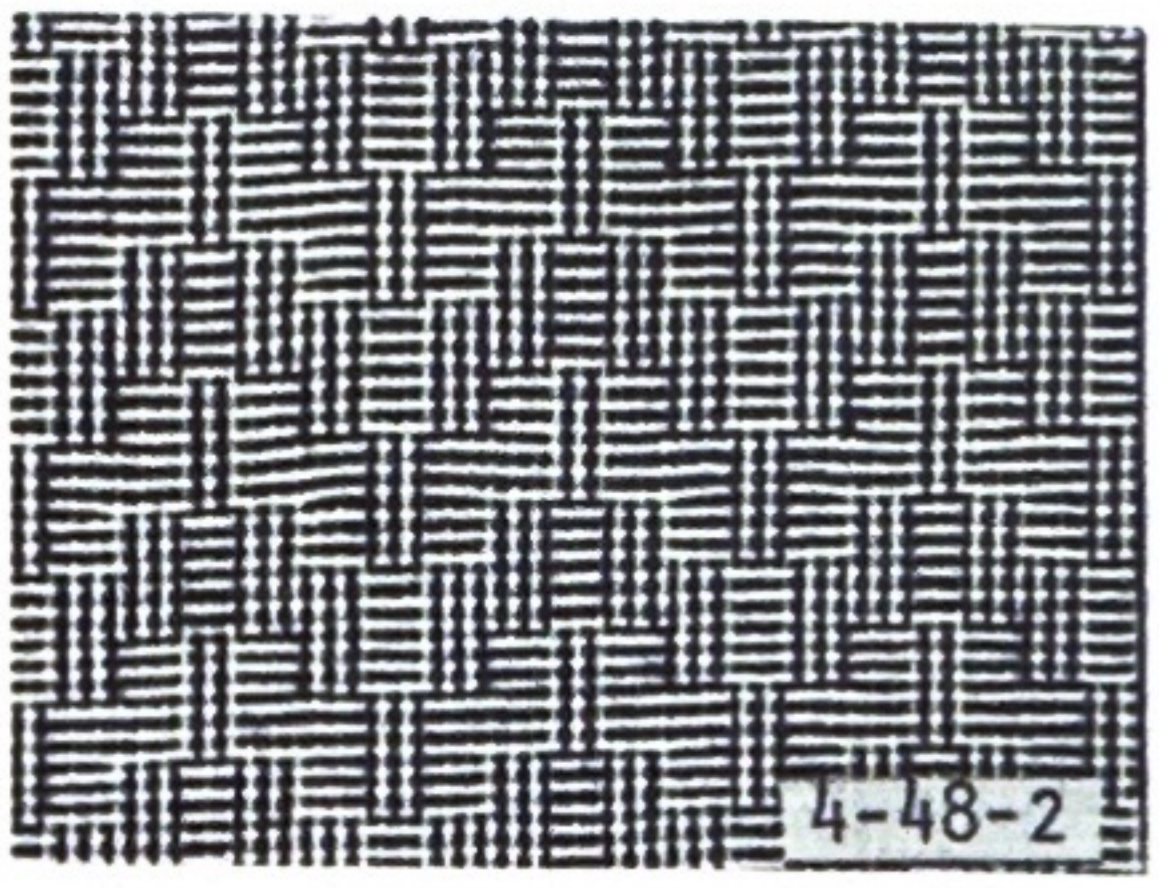
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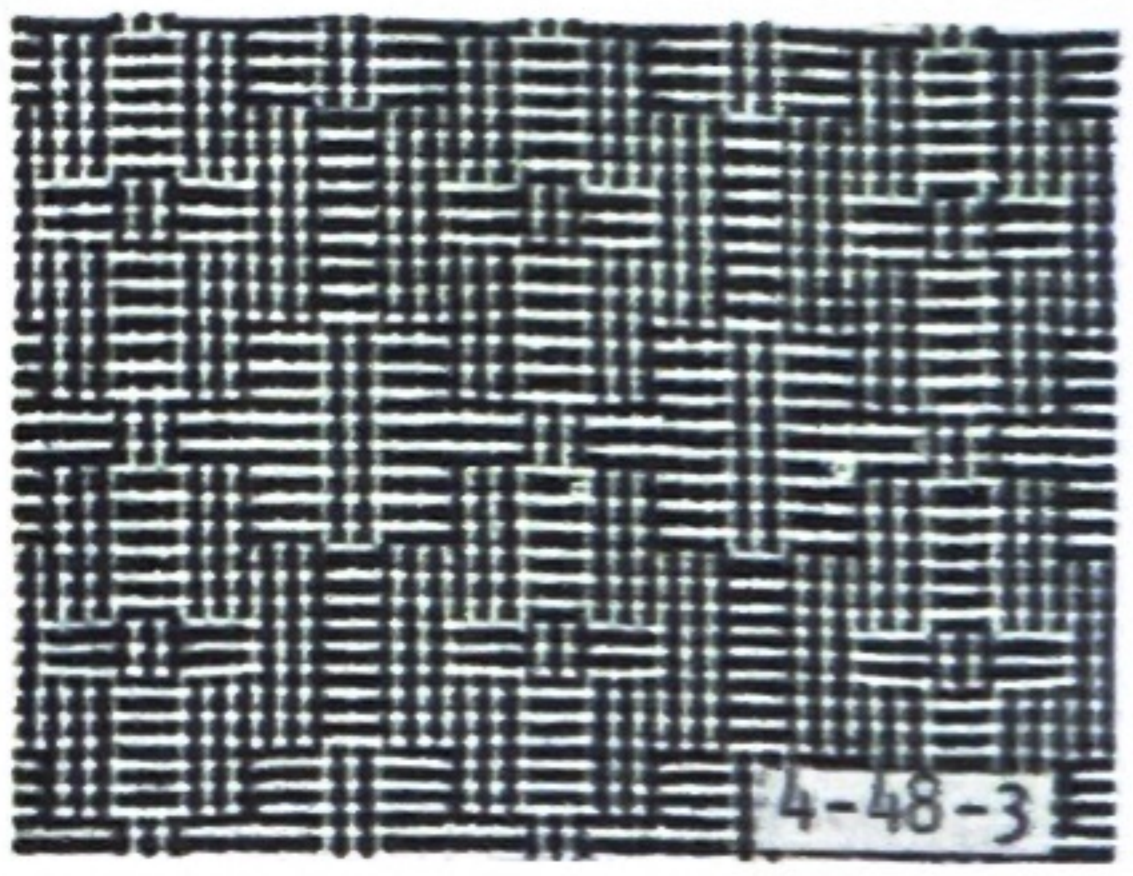
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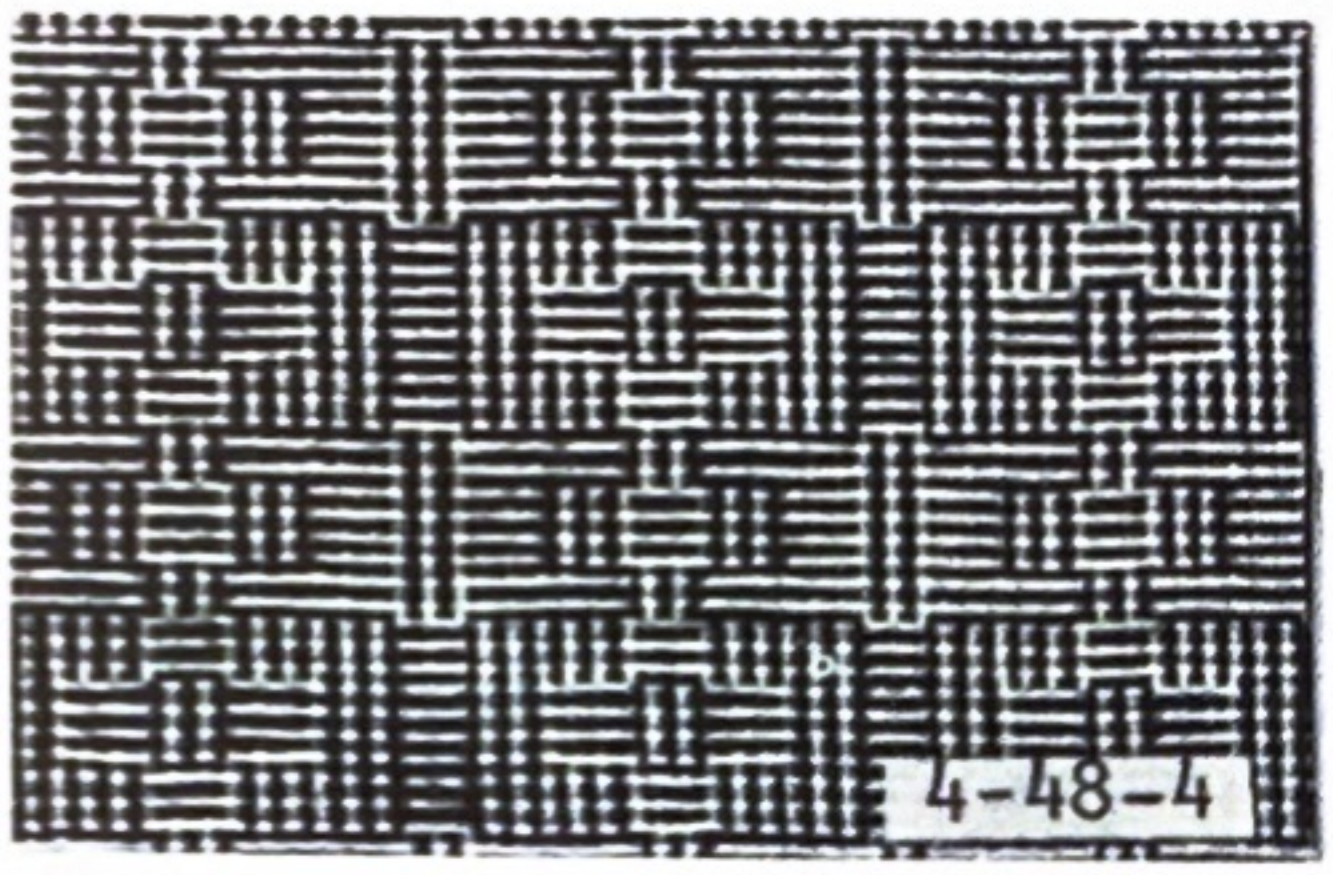
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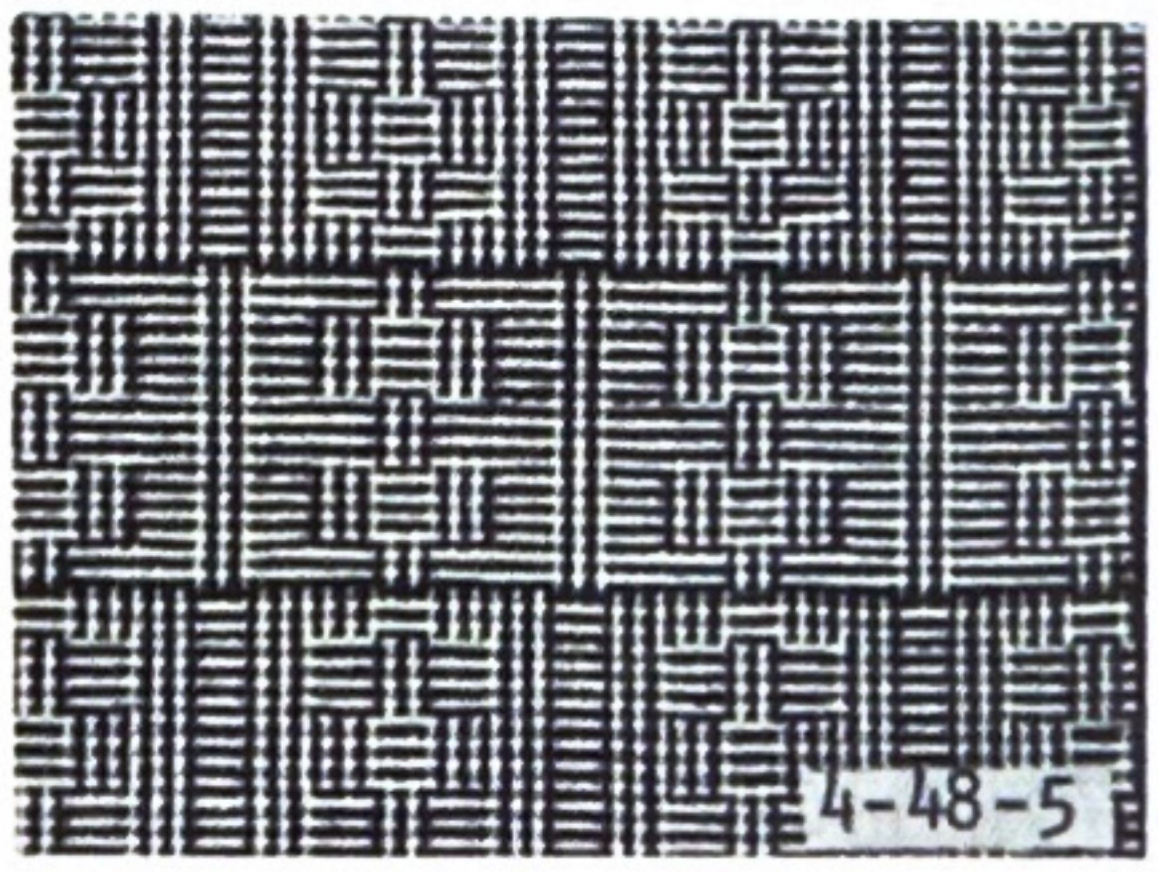
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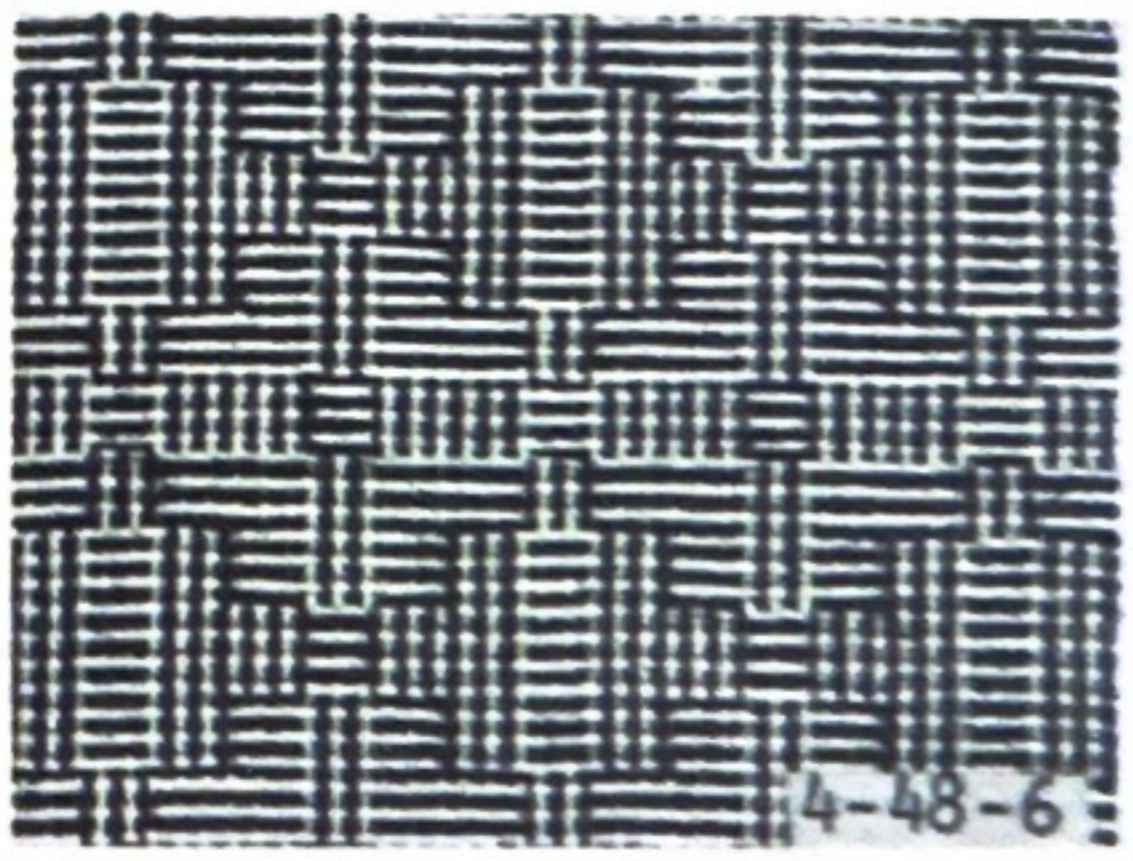
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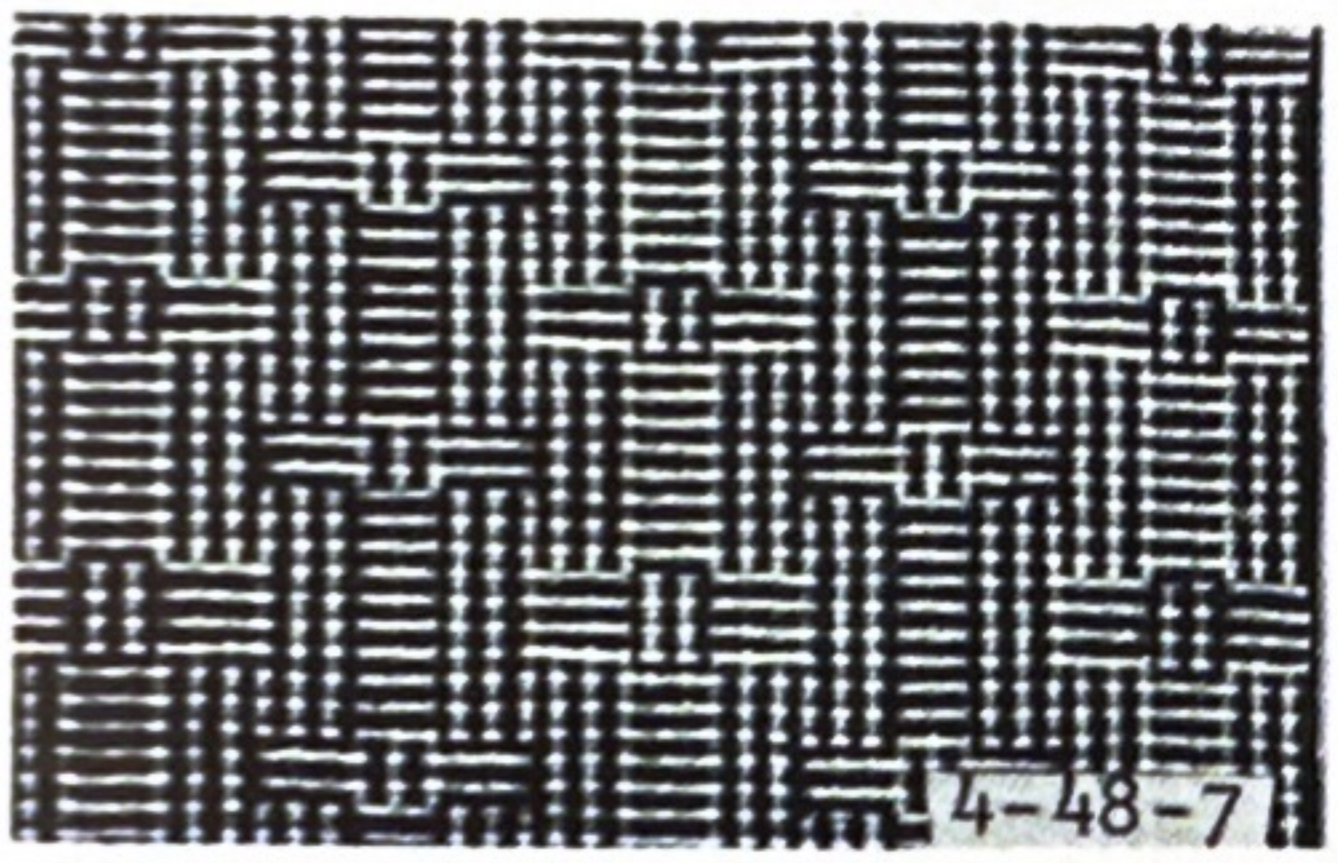
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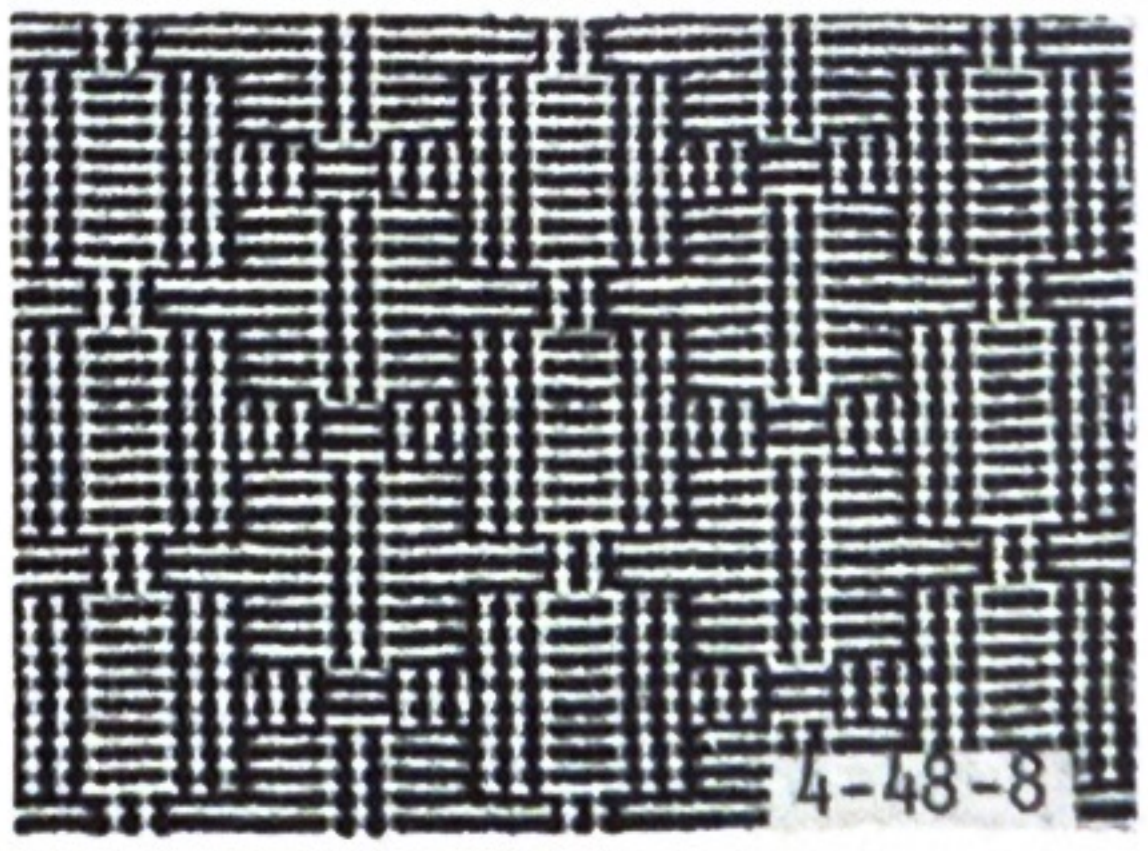
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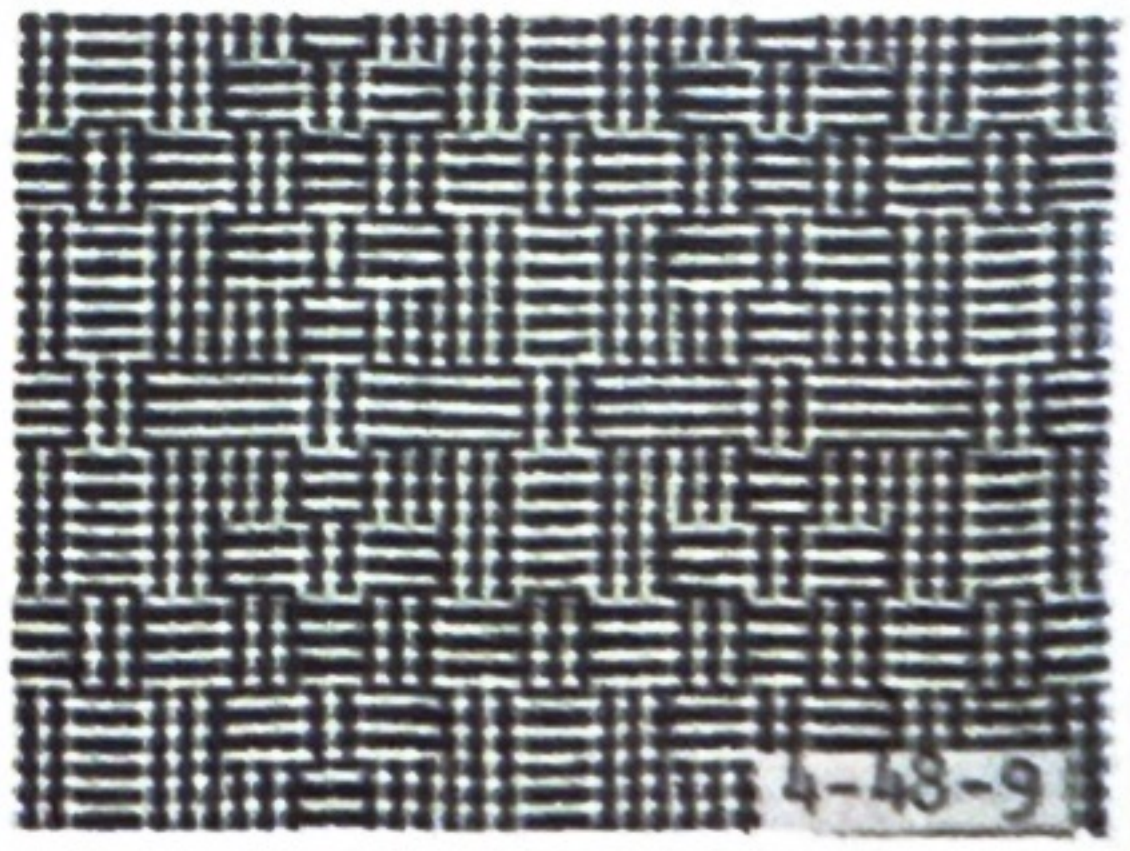
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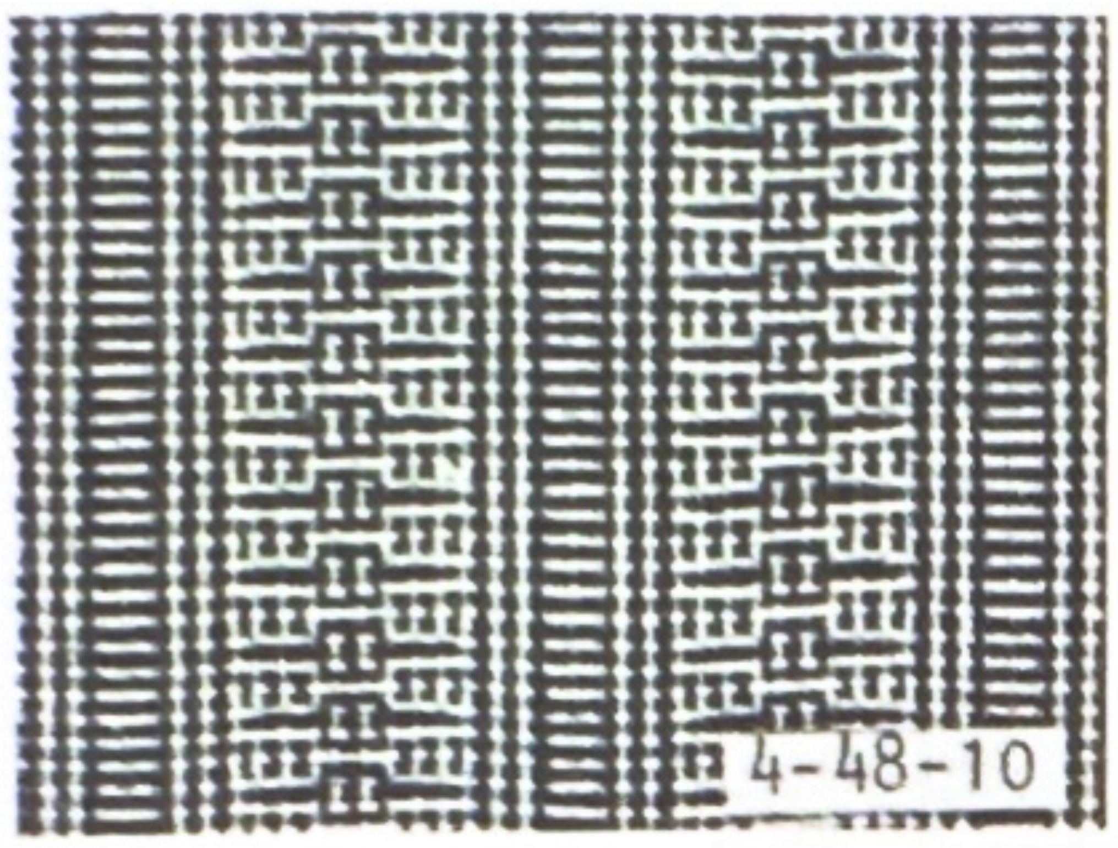
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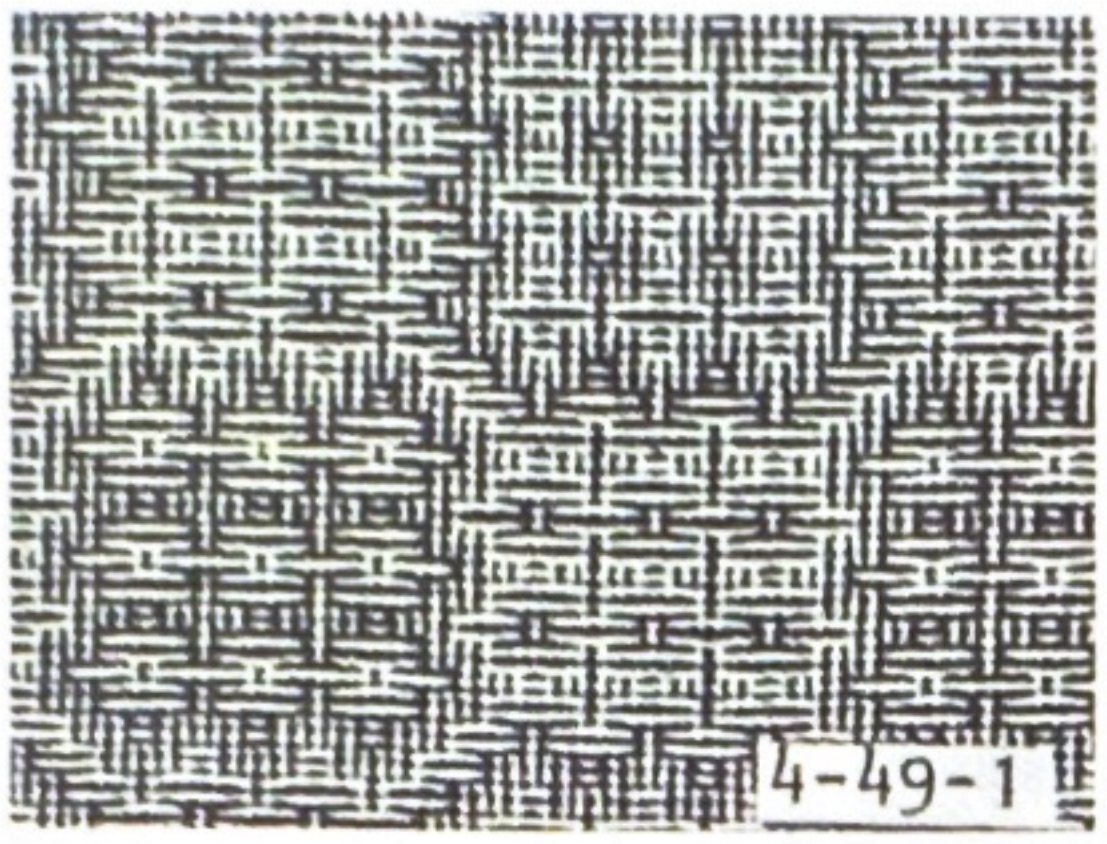
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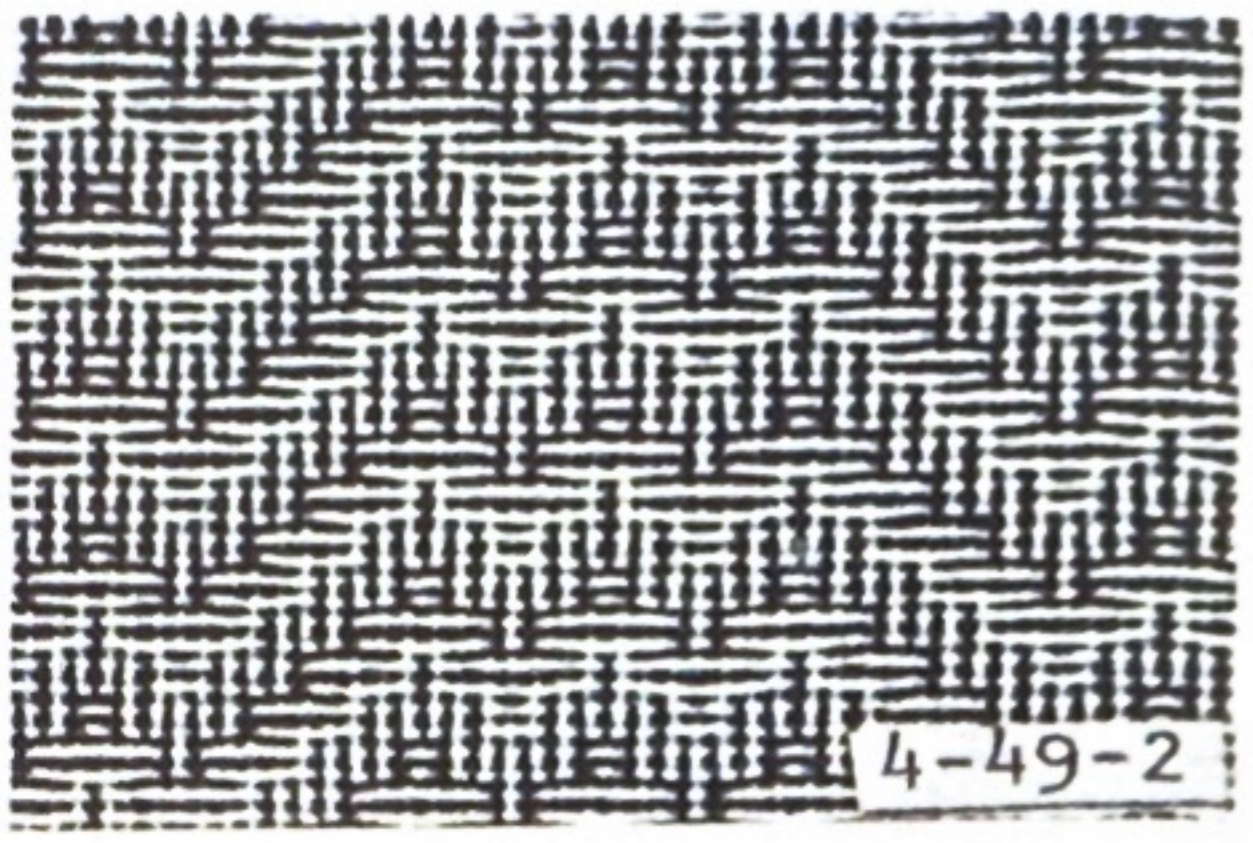
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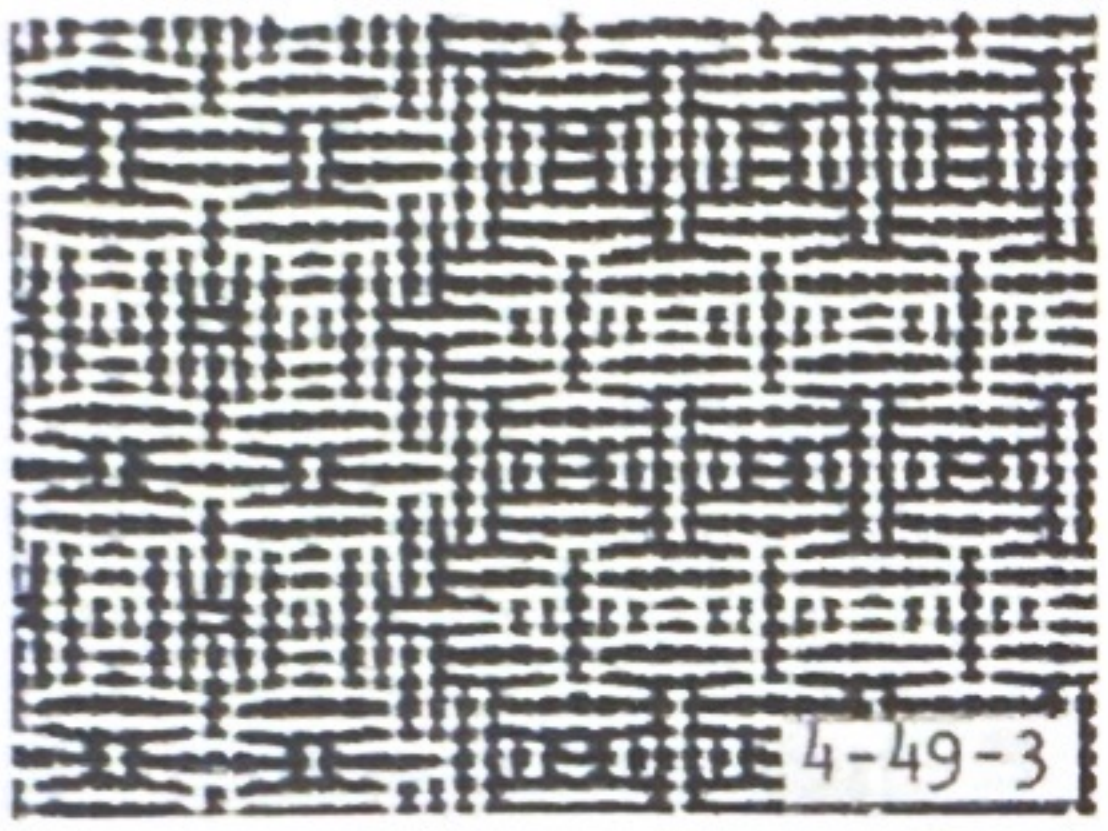
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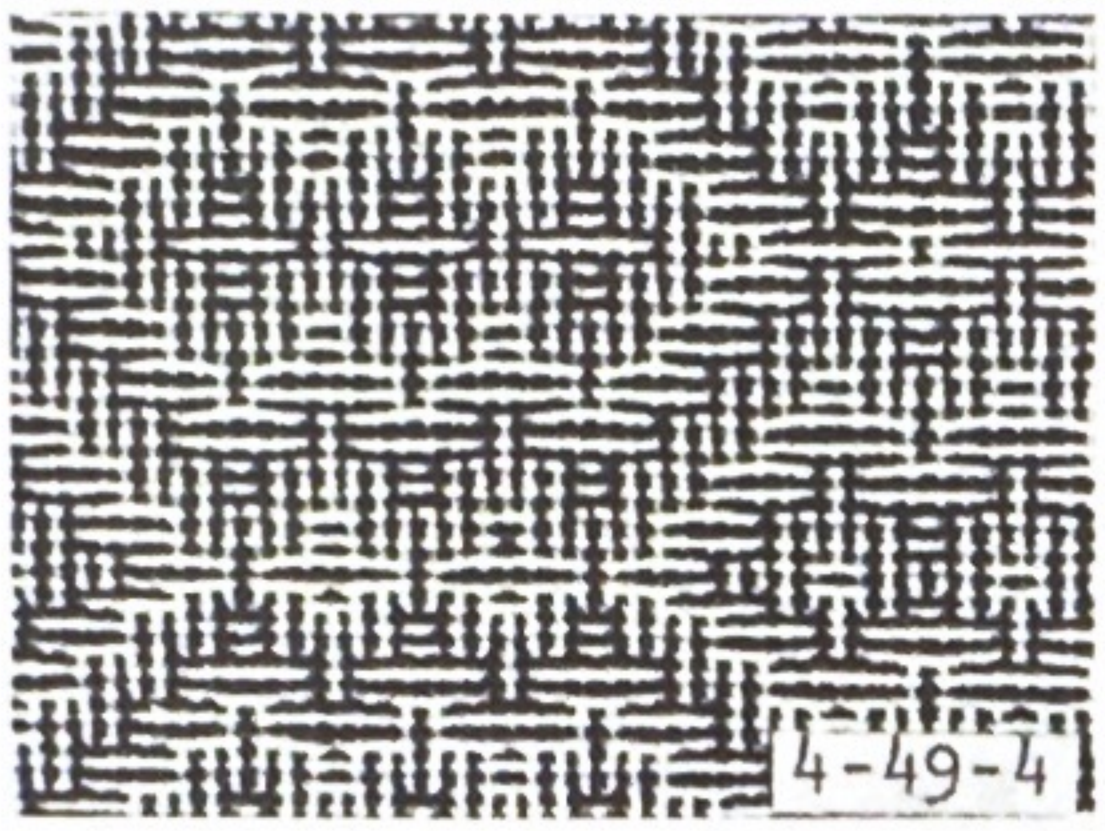
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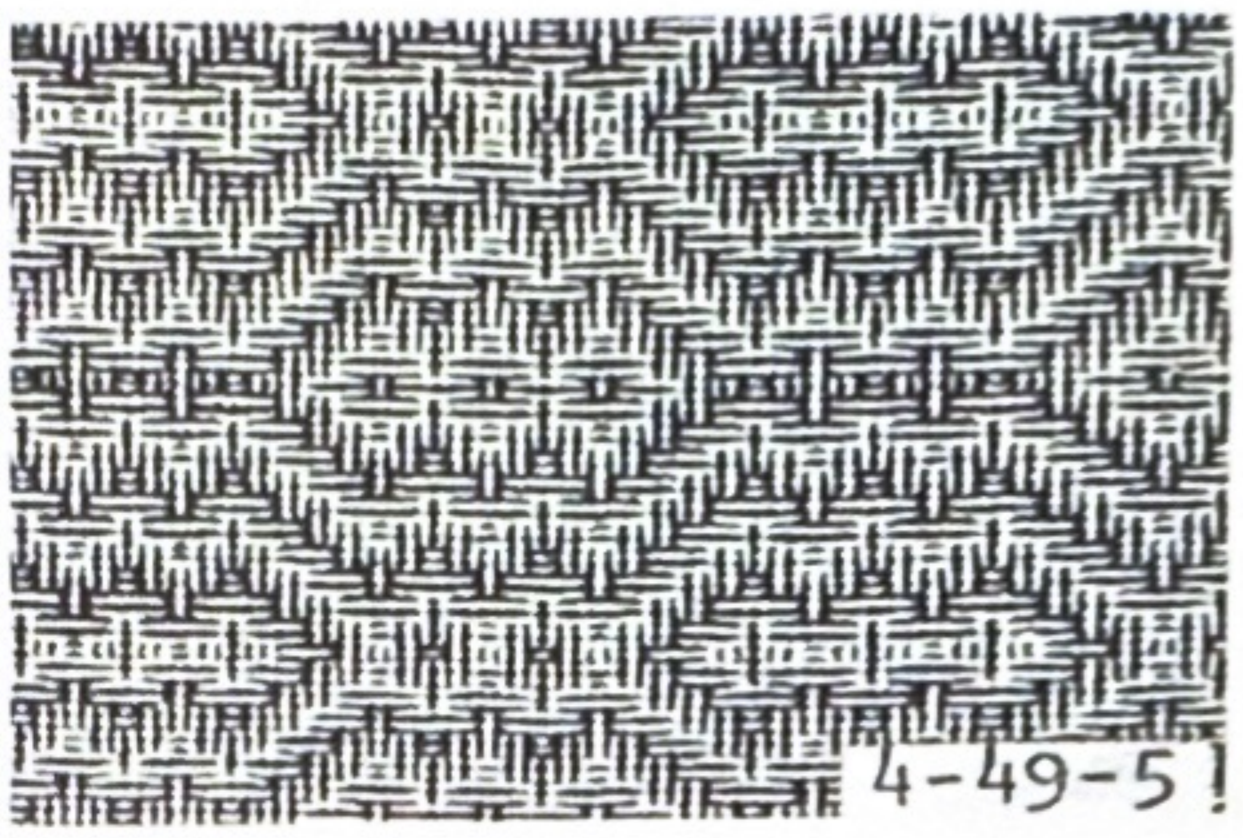
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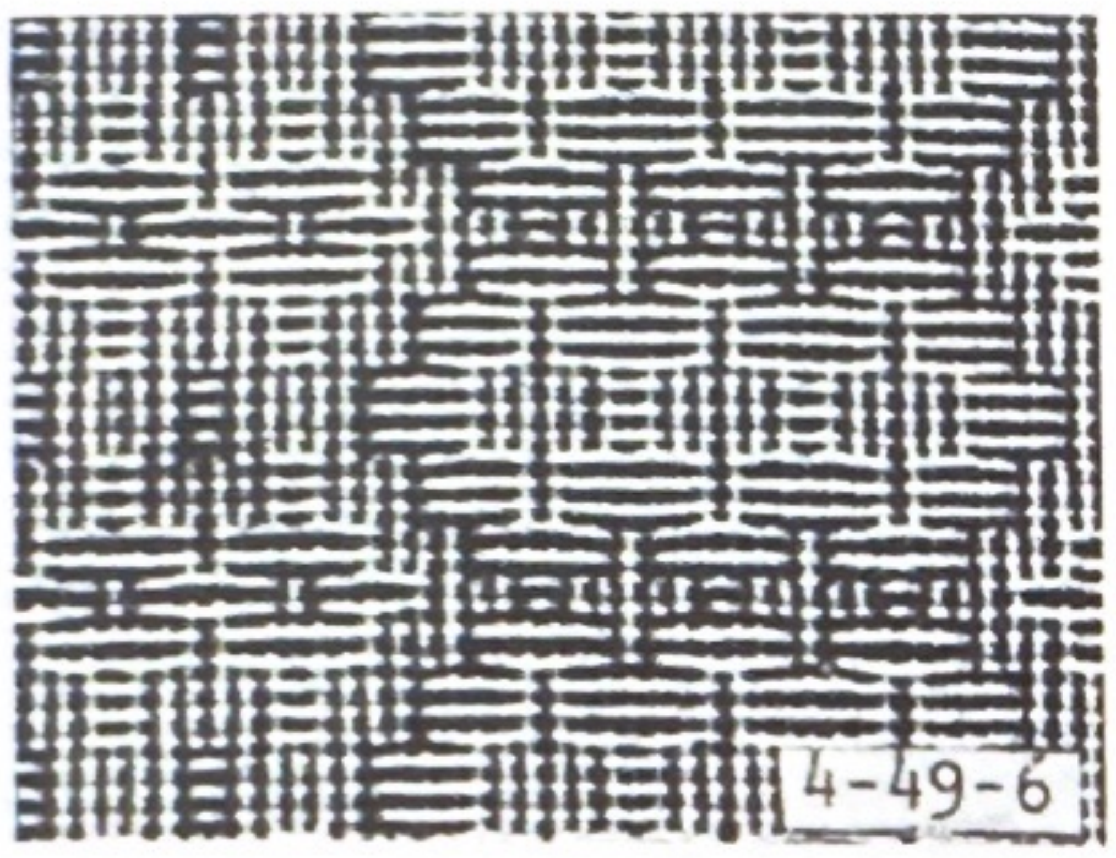
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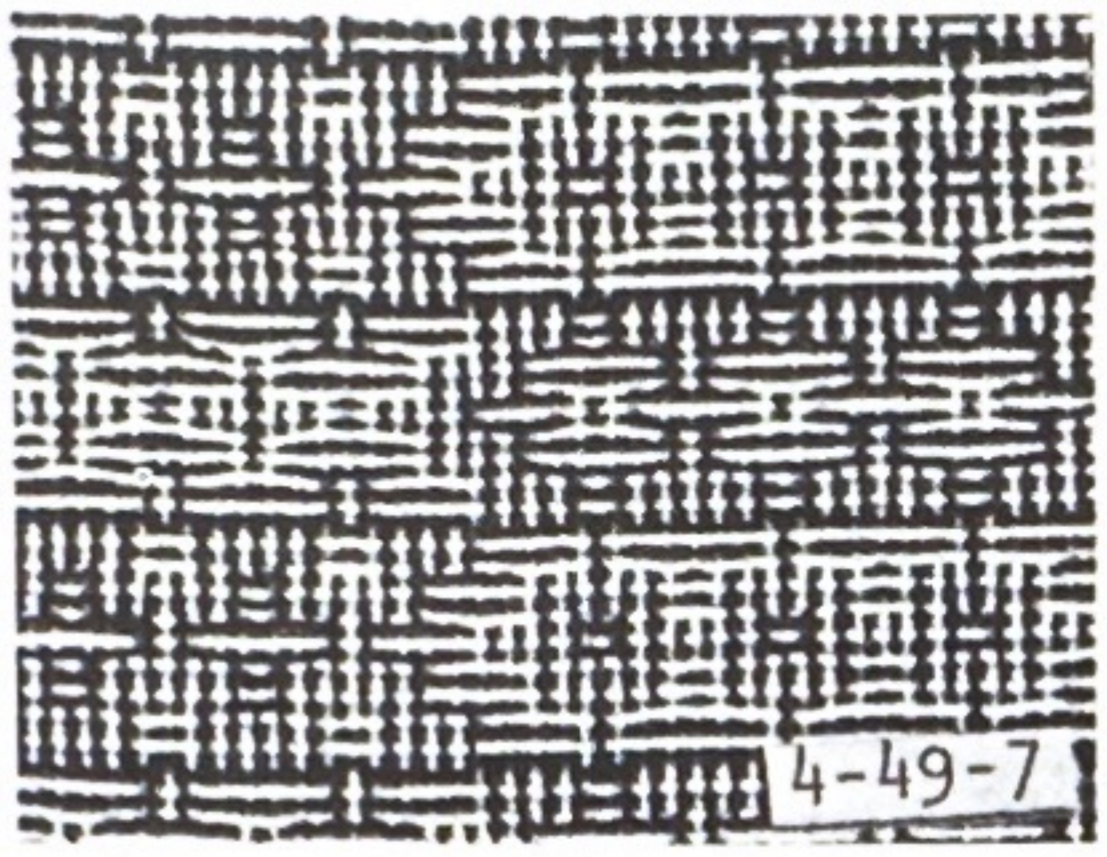
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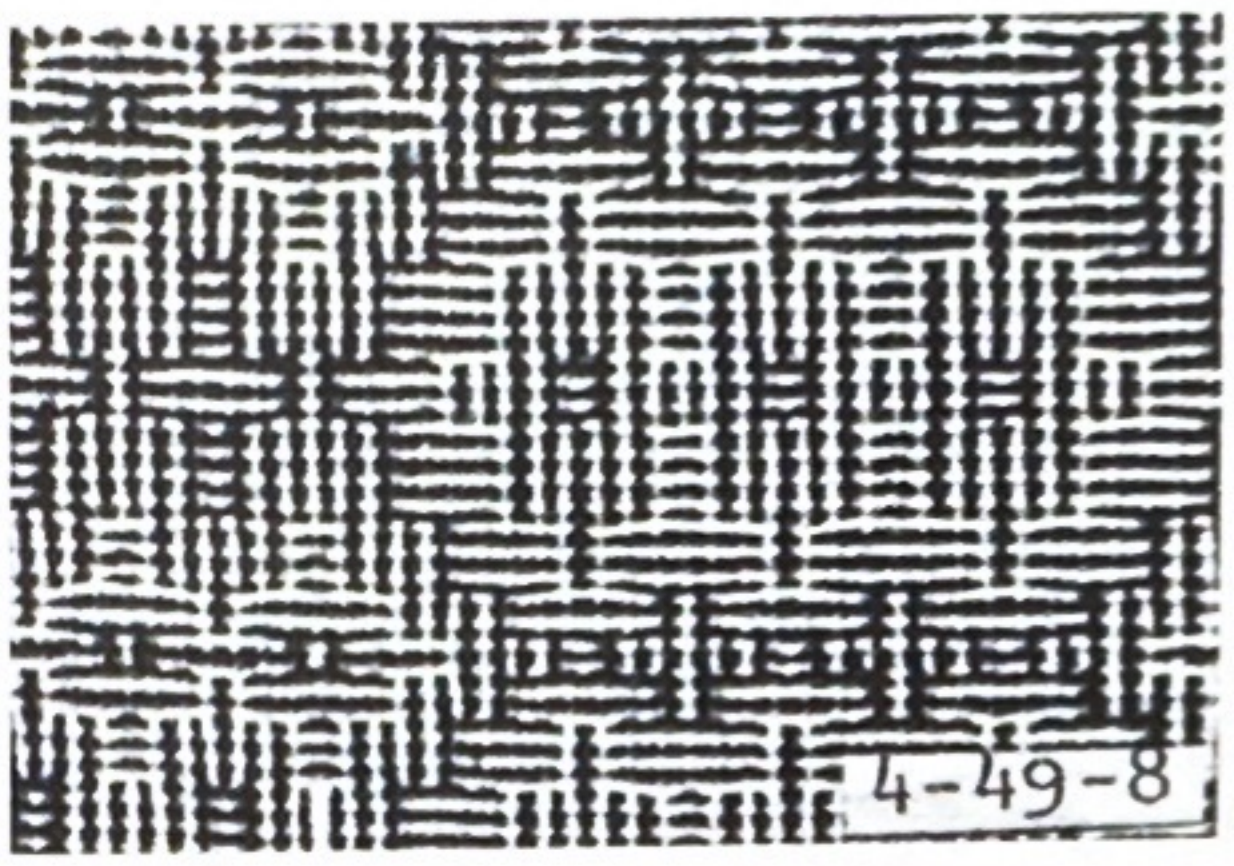
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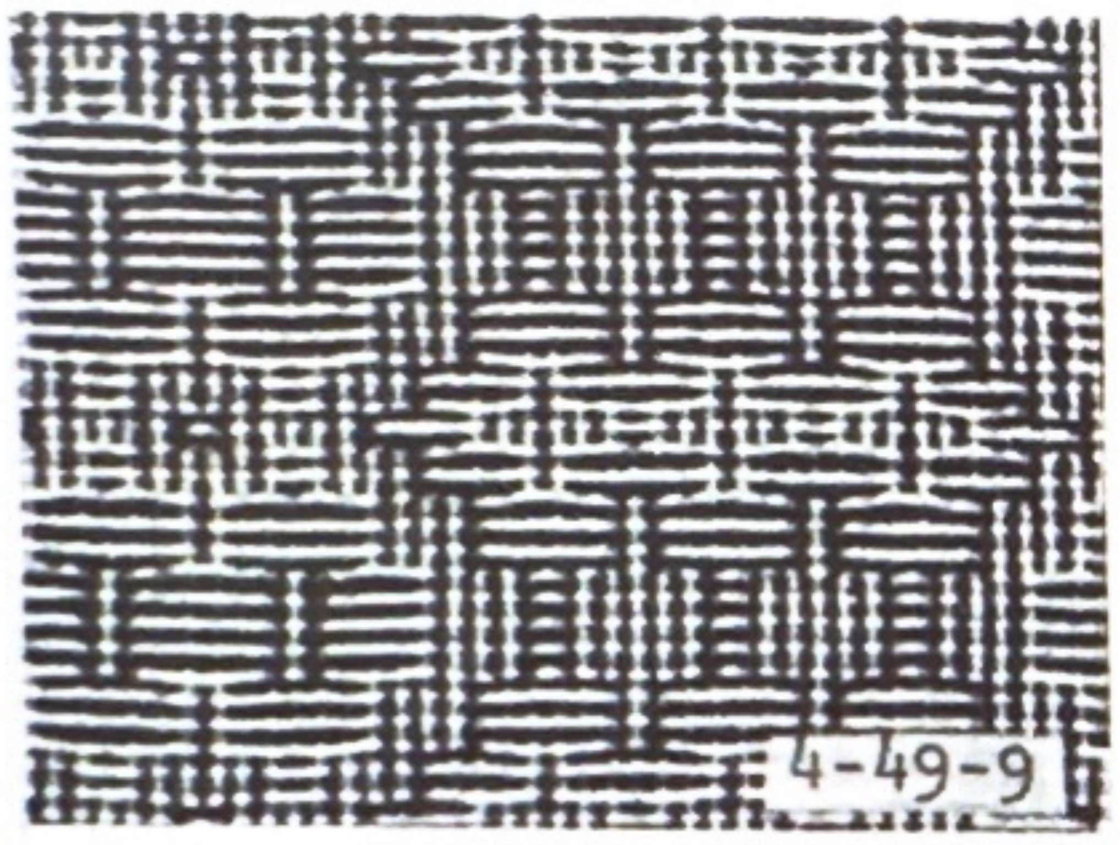
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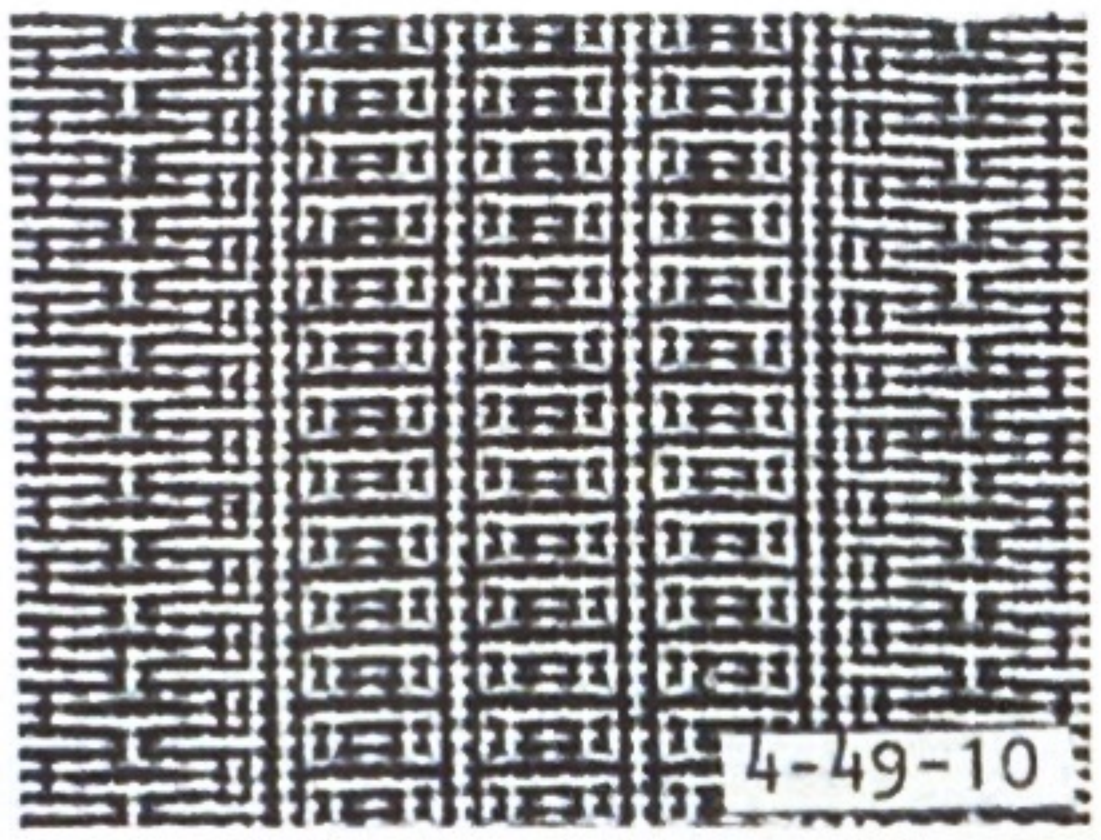
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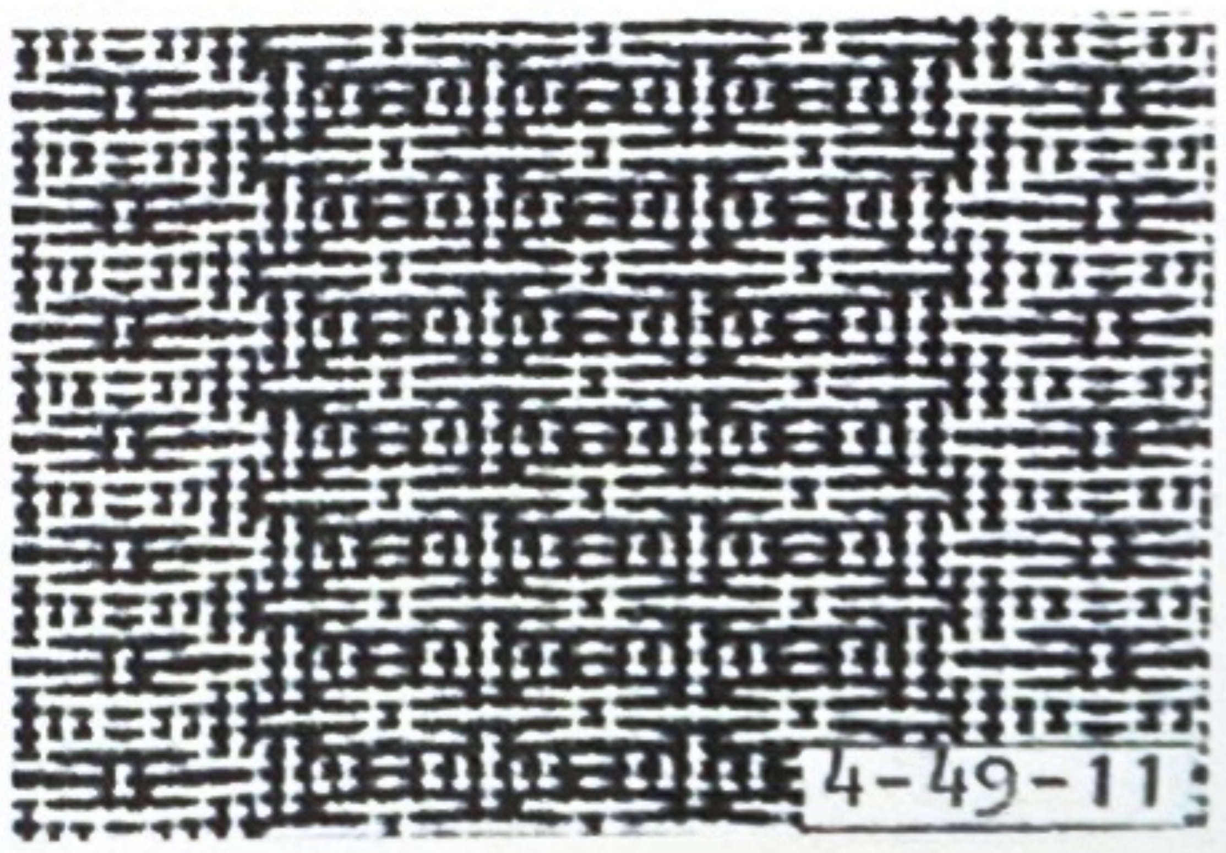
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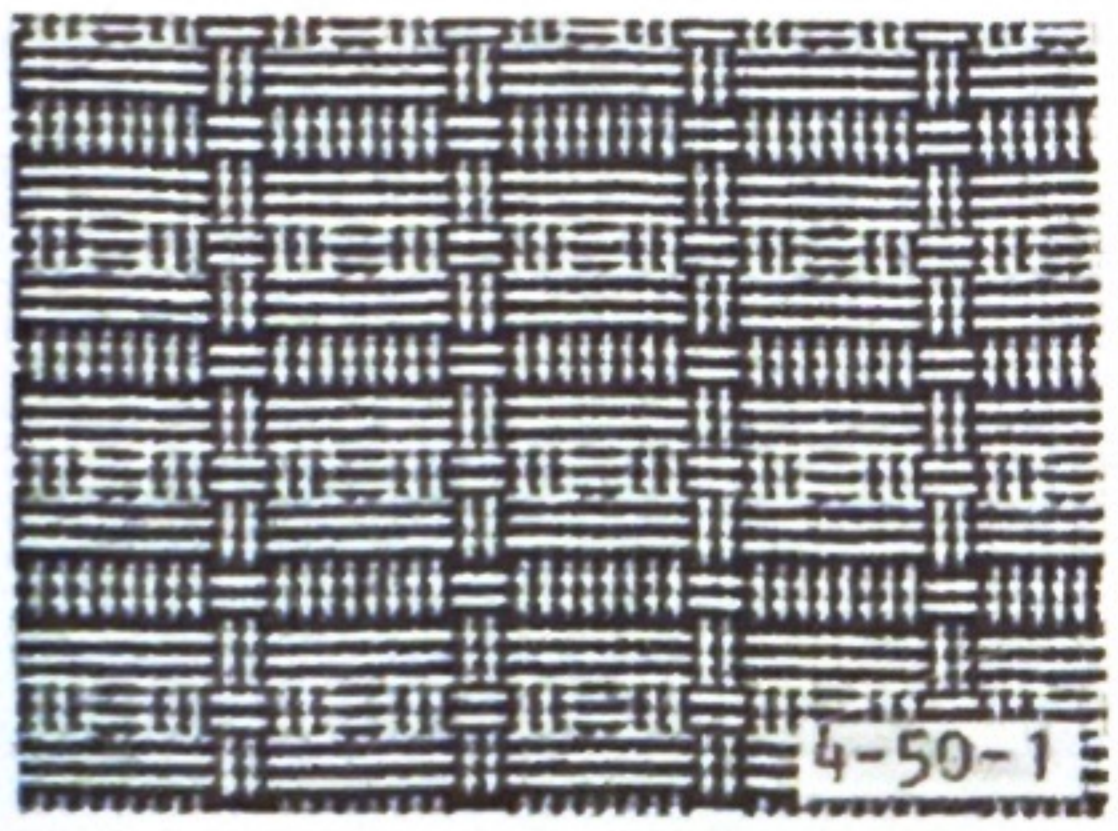
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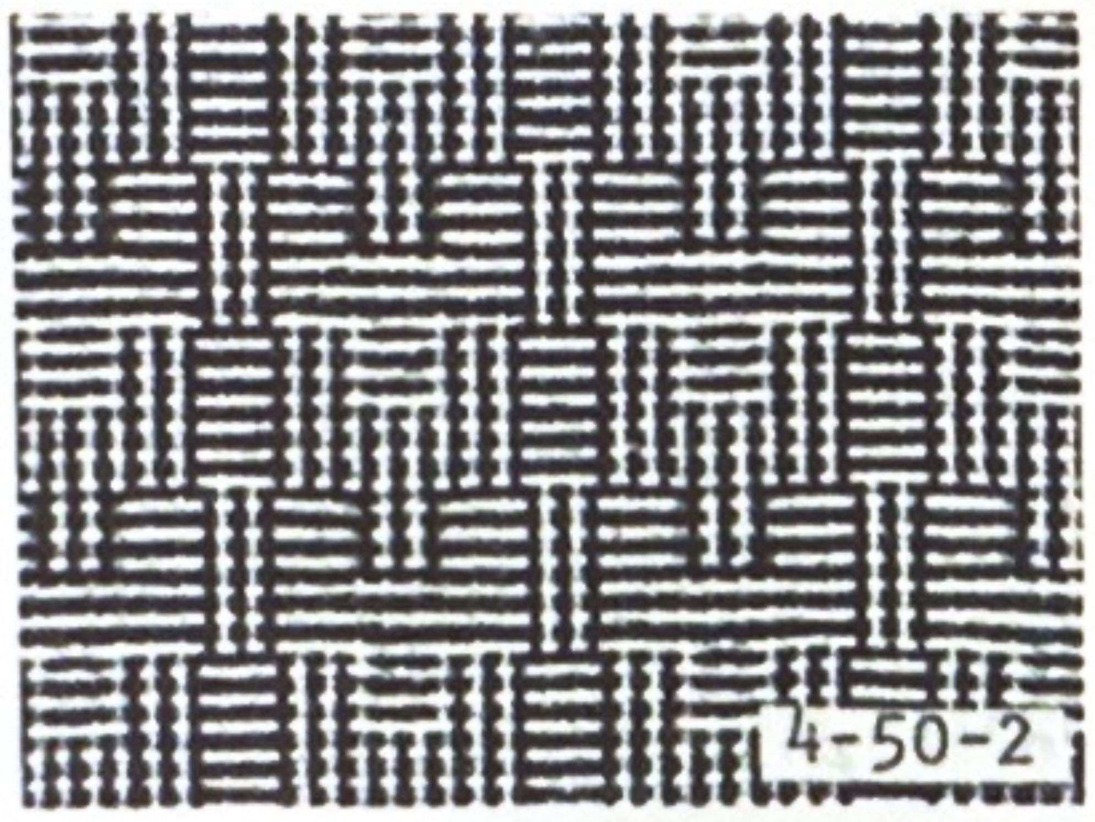
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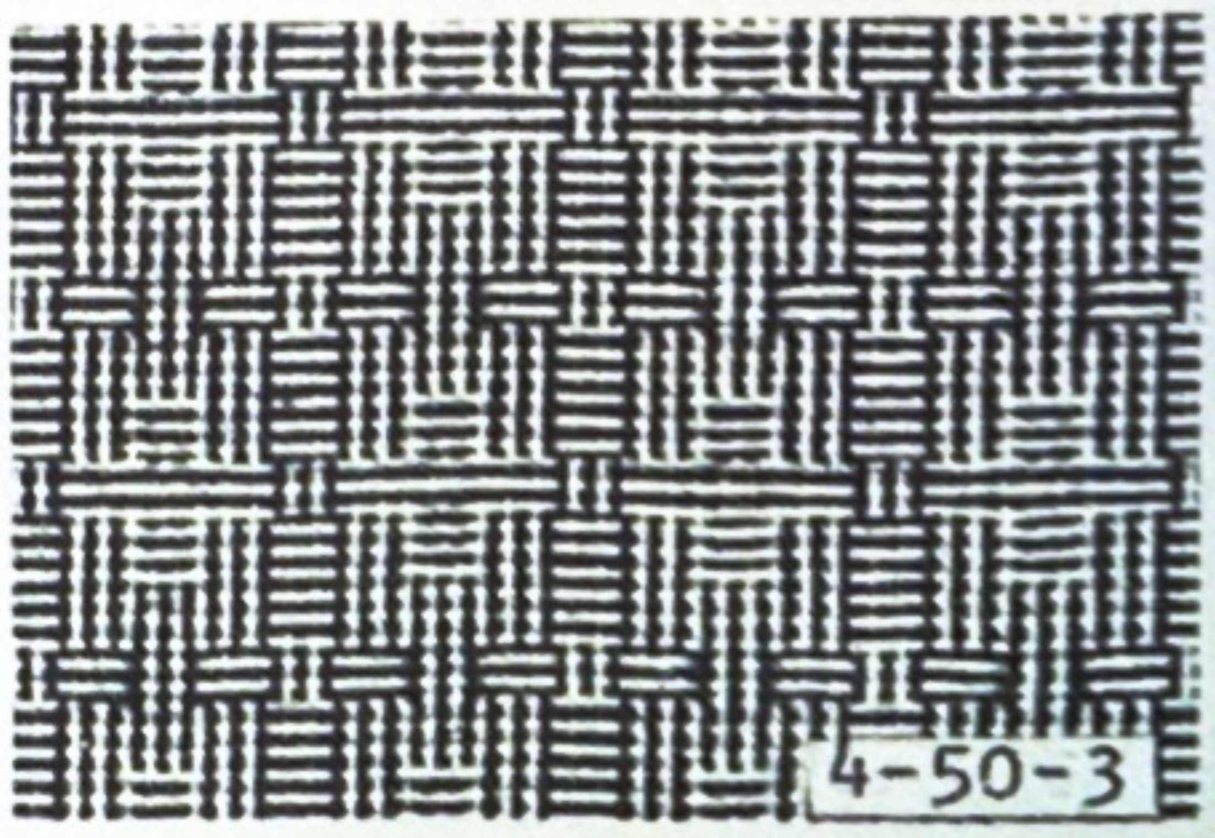
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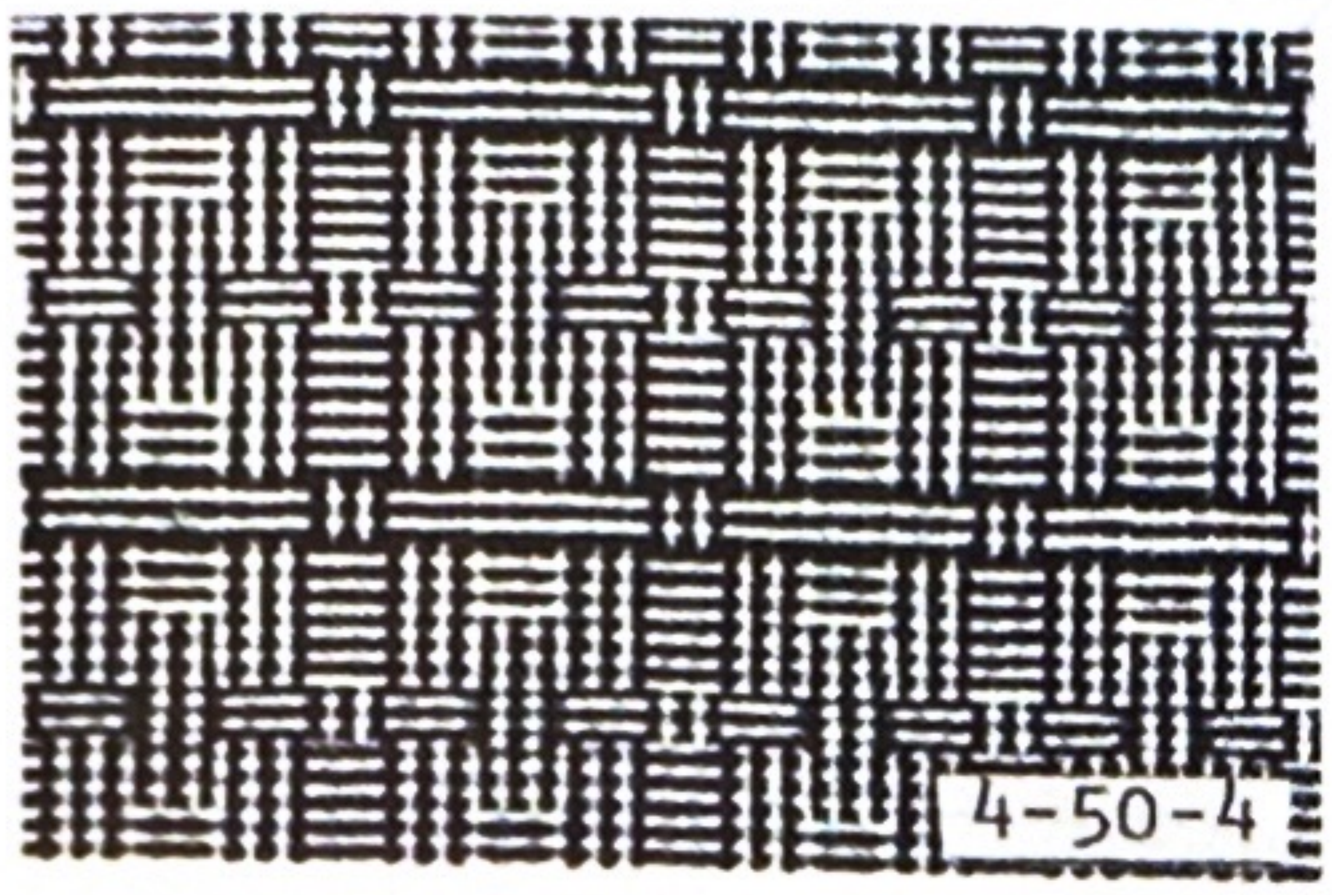
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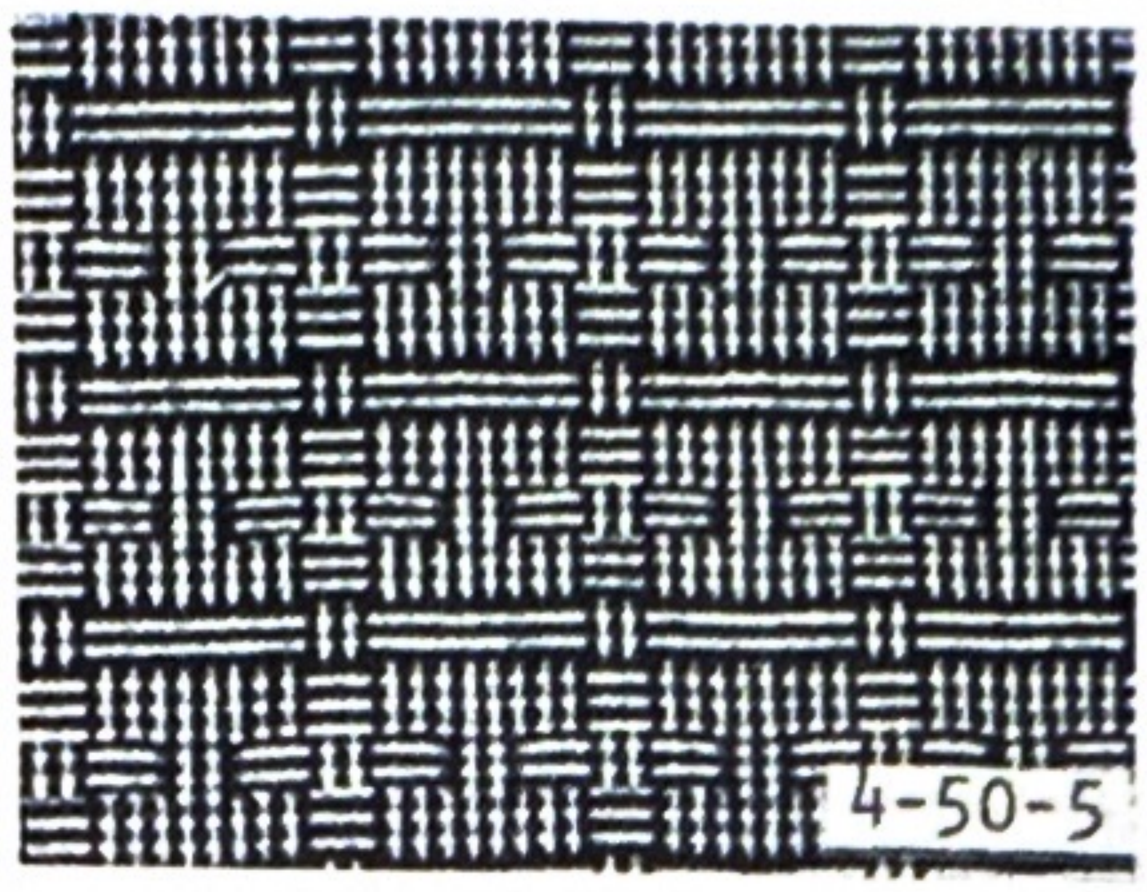
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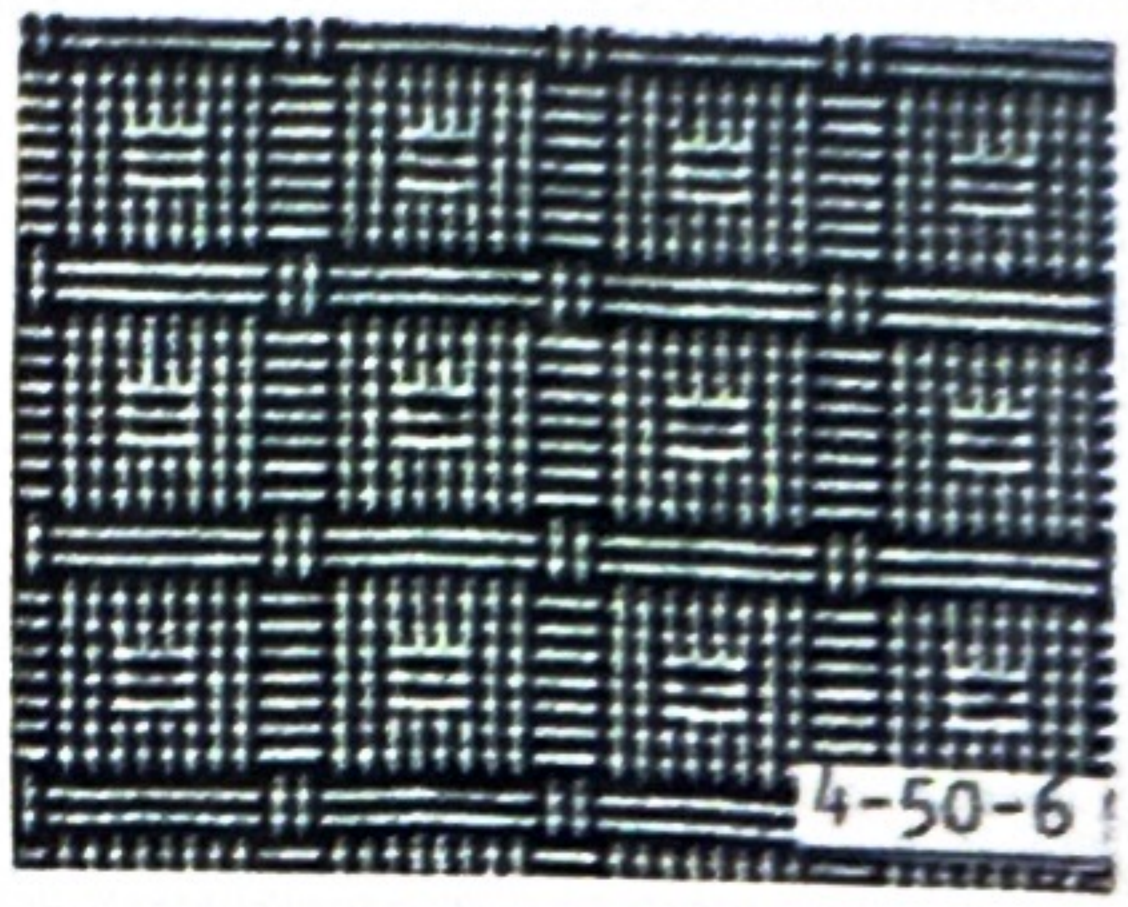
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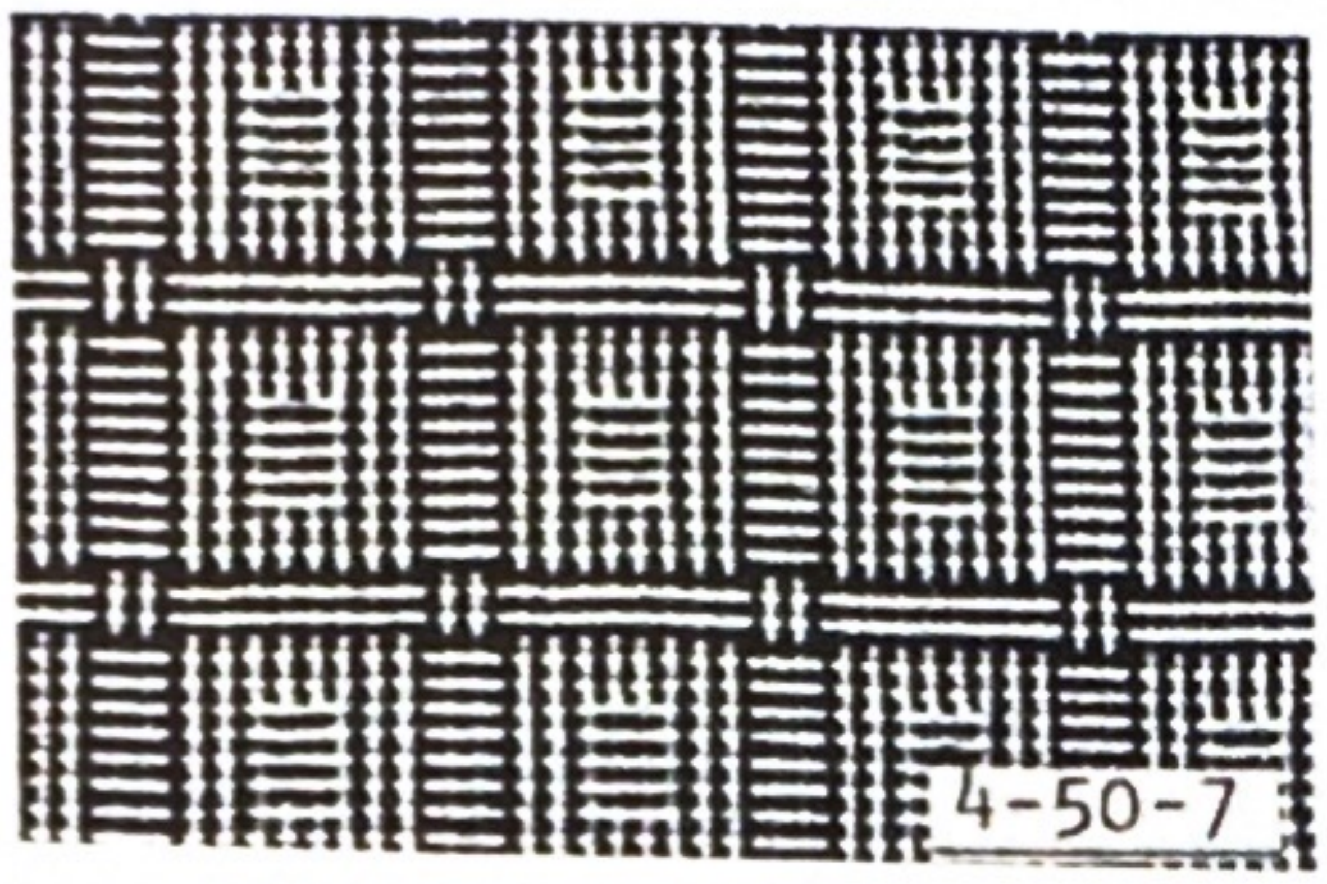
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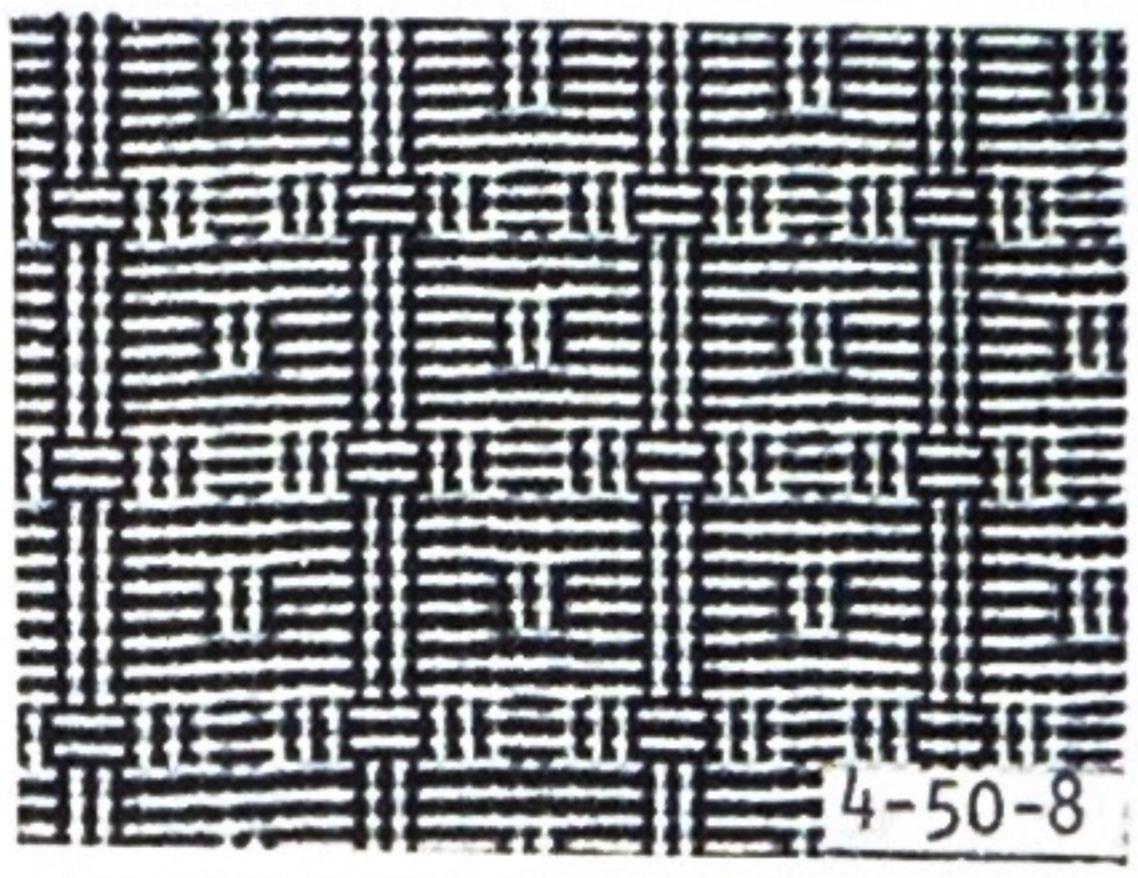
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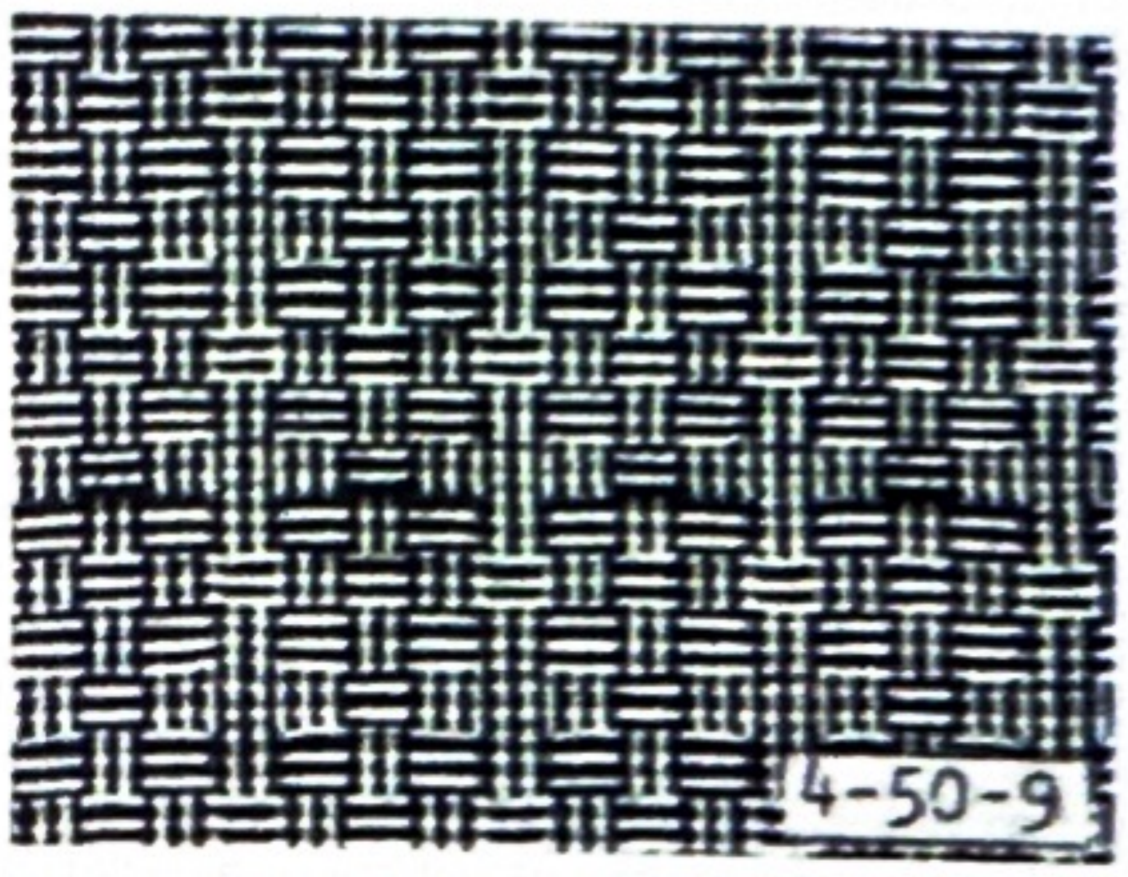
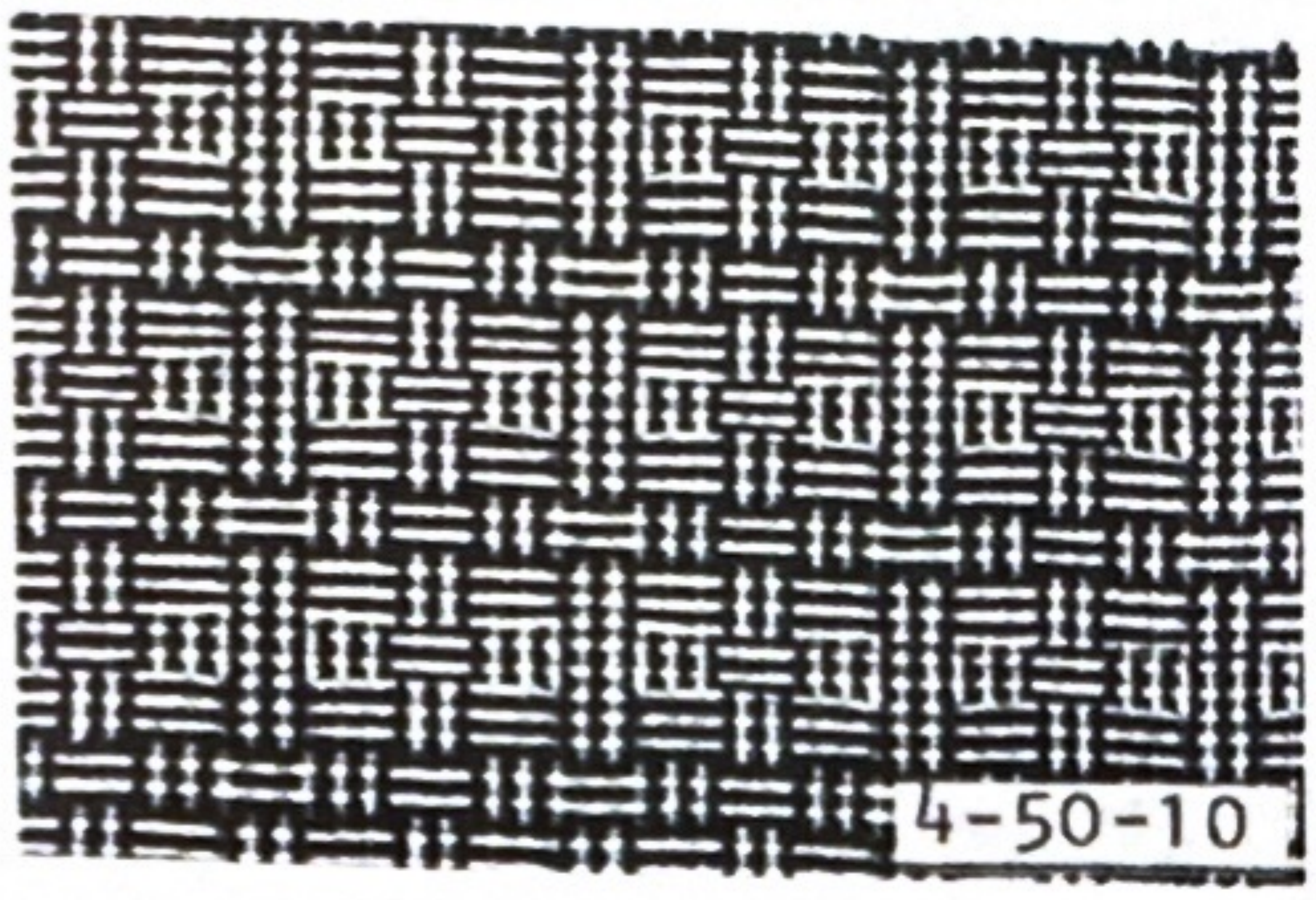
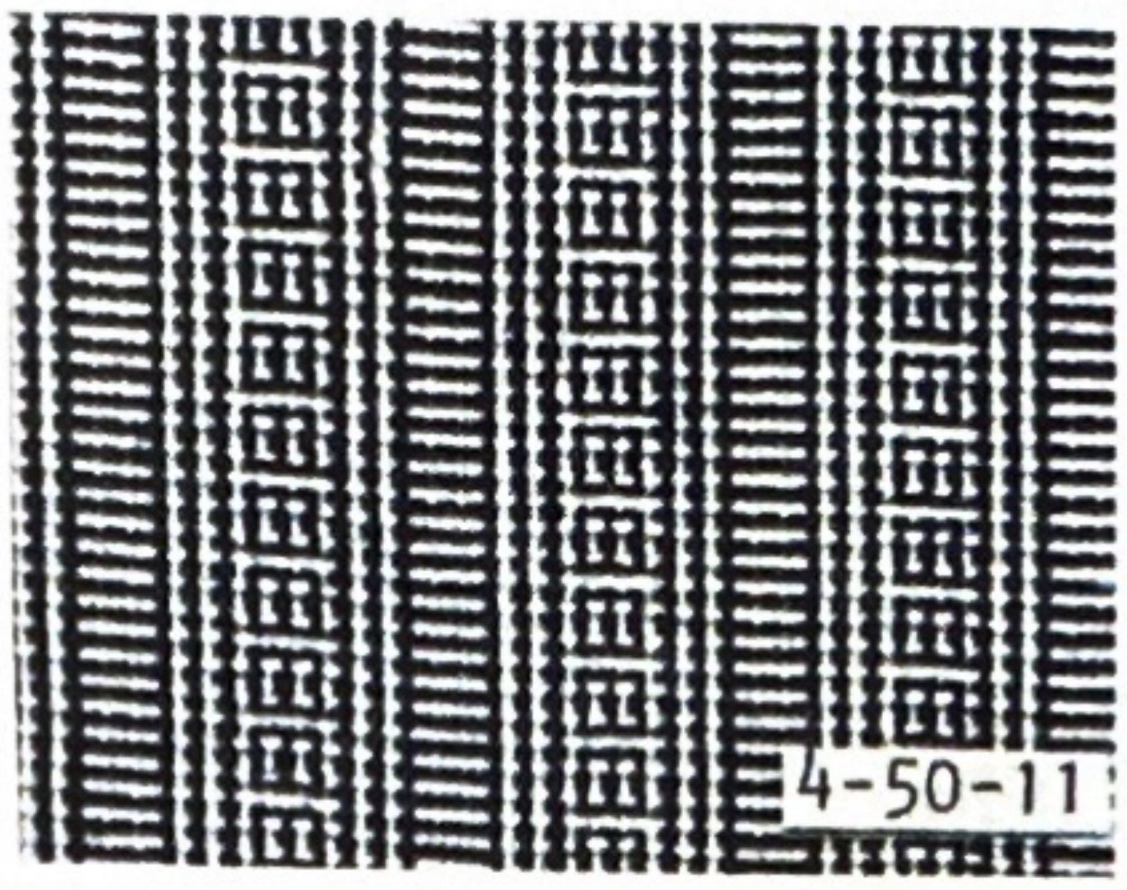
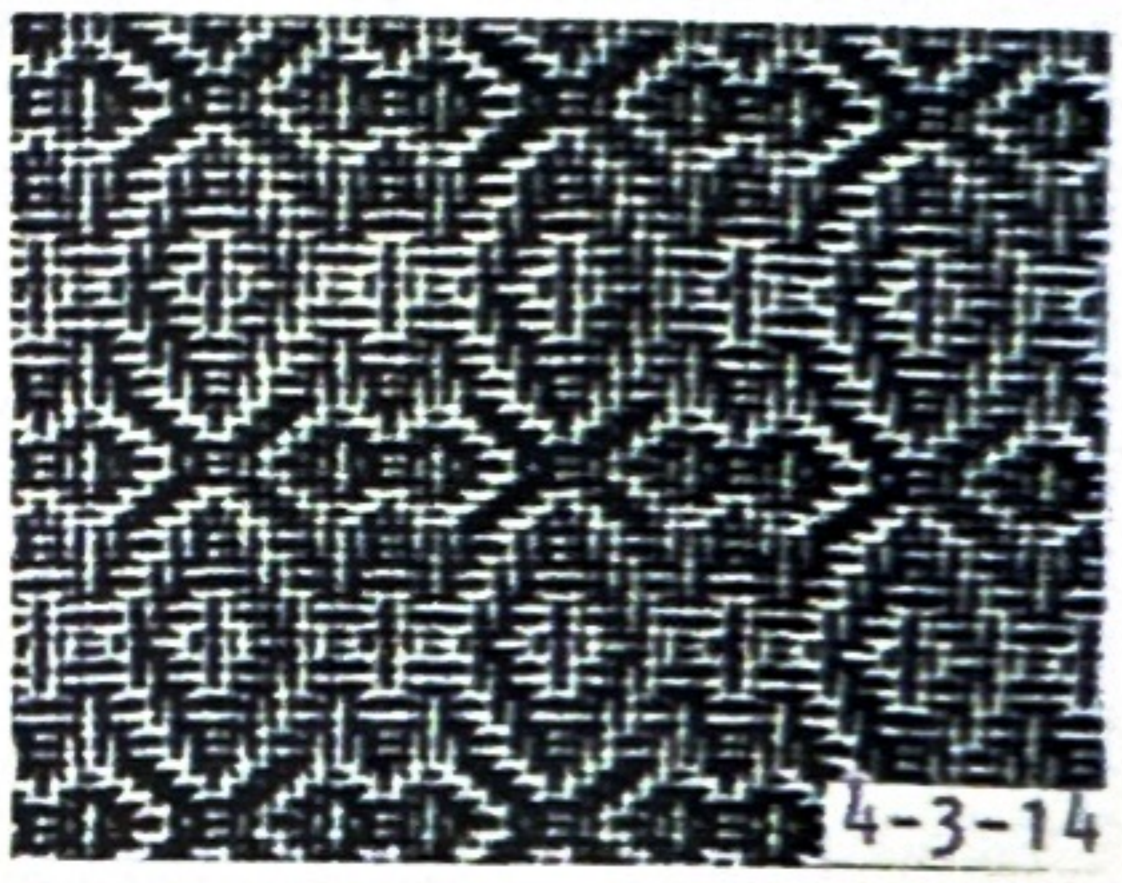

4-50-9


4-50-10

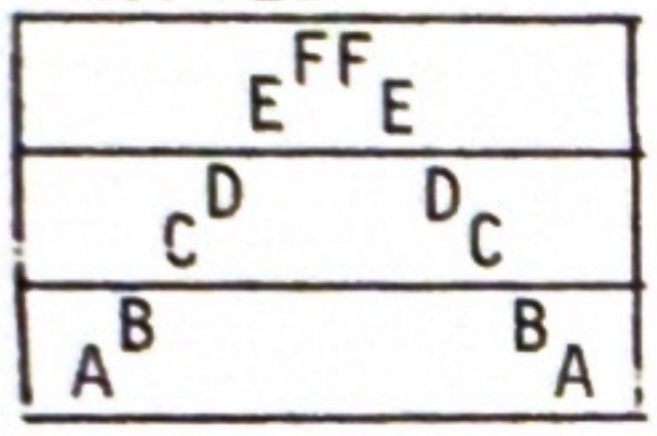

4-50-11


4-3-14

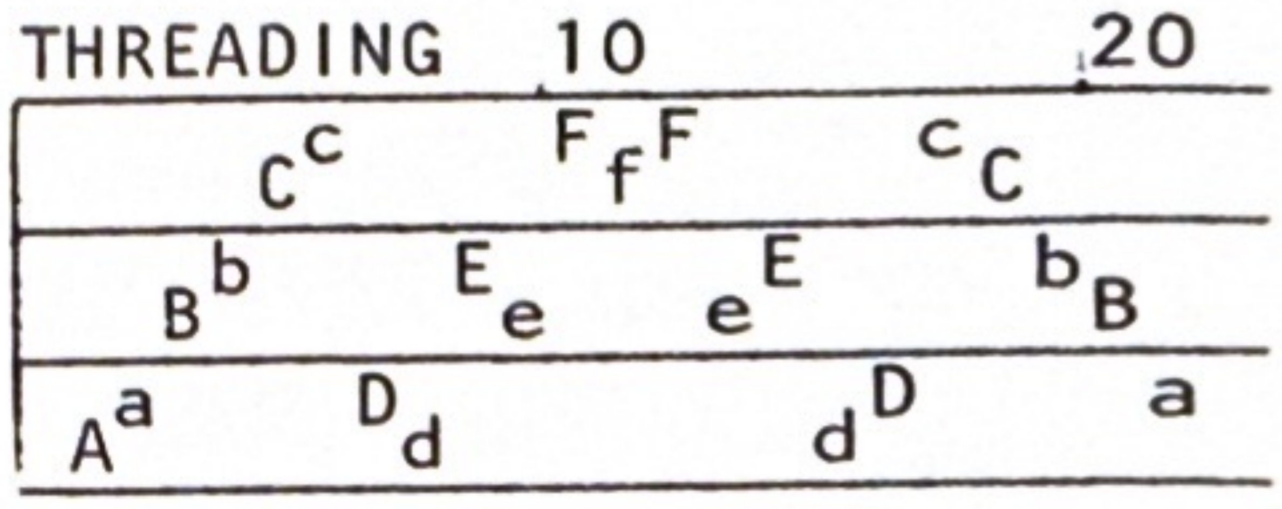
Six Harness Drafts

6-1 SHADOW WEAVE. Point twill development. 22 nds.

PROFILE



THREADING



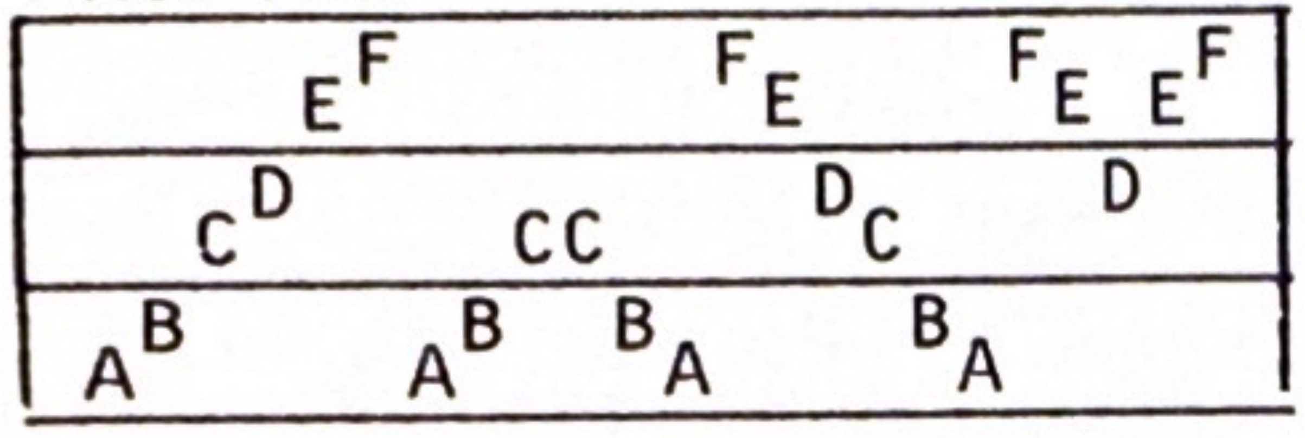
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 212 6543 2	ABC DD CB
4.	123456 2143412 654321 565	ABC DEED CBA F
5.	123456 2143 656 3412 654321 5634365	ABC DE FF ED CBA FEF
6.	123456 214365 121 563412 654321 5634 121 4365	ABC DEF AA FED CBA FE D EF
7.	123456 214365 1234321 563412 654321 563412 656 214365	ABC DEF ABBA FED CBA FED C DEF
8.	123456 214365 1234 565 4321 563412 654321 563412 6543456 214365	ABC DEF AB CC BA FED CBA FED CBC DEF
9.	123456 214365 123456 212 654321 563412 65432123456 214365	ABC DEF ABC DD CBA FED CBABC DEF
10.	123456 214365 123456 2143412 654321 563412 654321 565 123456 214365	ABC DEF ABC DEED CBA FED CBA F ABC DEF
11.	123456 2143 656 565 4321 562312	ABC DE FF CC BA FED
12.	12x2 3456 21x2 43434 12x2 6543 21x2 56565	AA BC DD EEE DD CB A FF
13.	12x2 3456 21x2 43x2 65656 34x2 12x2 6543 21x2 56x2 34343 65x2	AA BC DD EE FFF EE DD EF AA FF EE FF
14.	123456 21 43x2 65x2 12121 56x2 34x2 12 654321 56x2 34x2 12121 43x2 65x2	ABC D EE FF AAA FF EE D CBA FF EE DD EE FF
15.	214365 1234 565 4321 5634 1	DEF AB CC BA FE
16.	1234 565 4321 2143 656 3412	AB CC BA DE FF ED
17.	12x2 3456 212 6543 2	AA BC DD CB

#15 Same as underside of #1 (Tromp as writ).

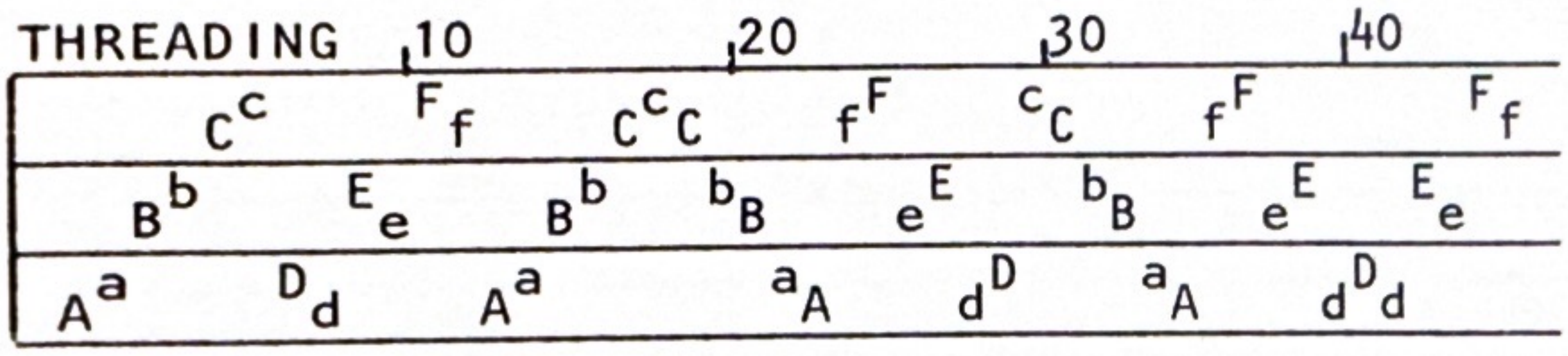
6-2 SHADOW WEAVE. Extended point twill development.

46 nds.

PROFILE



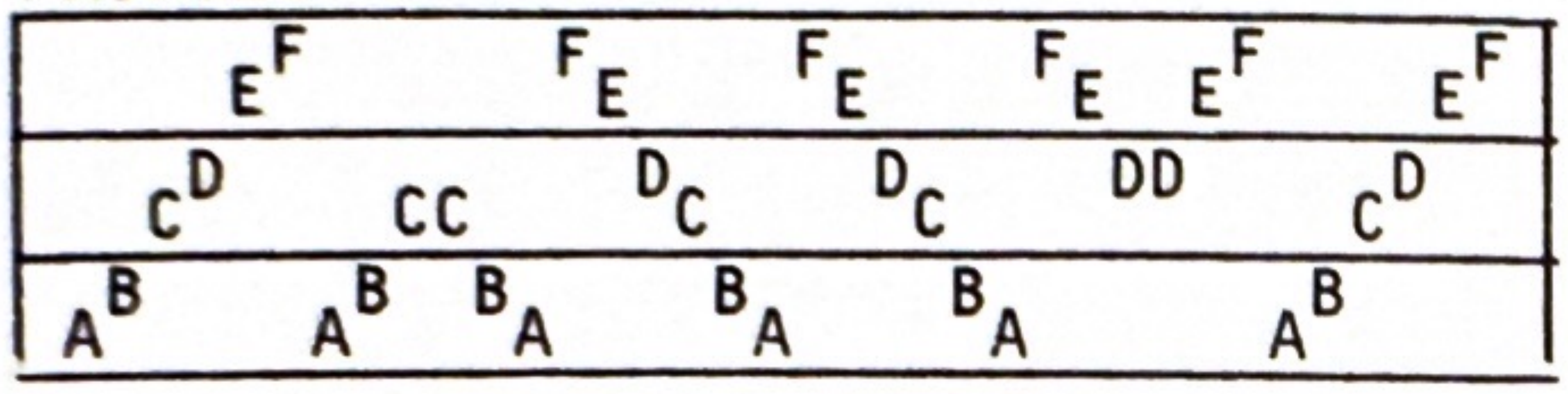
THREADING


10
20
30
40
C c F f C c C f F c C f F F f
B b E e B b b B e E b B e E E e
A a D d A a a A d D a A d D d

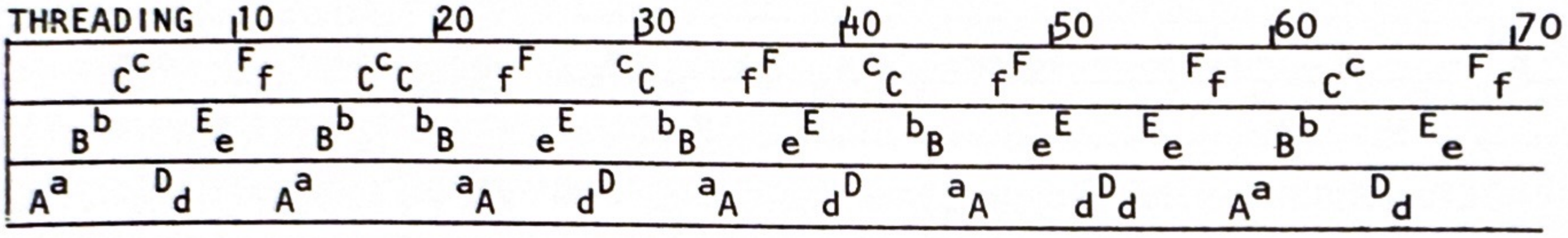
TREADLE NUMBERS.	Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF
3.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2$	ABC DE FF ED CB
4.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DD CBA FED CB A BC DEF
5.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}5$	ABC DEF ABC DEED CBA FED CBA F
6.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{5}6\underline{2}1$ $\underline{4}3\underline{6}5\underline{6}3\underline{4}$ $1\underline{2}6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}3\underline{6}5$	ABC DEF ABCD EFFE DCBA FED CBA FEF
7.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5$	ABC DEF ABC DEF AA FED CBA FED CBA FE D EF
8.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DE FF ED CBA FED CB A BC DEF
9.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF AB CC BA FED CBA FED CBC DEF
10.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{2}$ $6\underline{5}4\underline{3}$ 2	ABC DD CB
11.	$\underline{1}2\underline{3}4\underline{5}6\underline{2}1$ $\underline{4}3\underline{4}$ $1\underline{2}6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}5$	ABCD EE DCBA F
12.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}3\underline{6}5$	ABC DD CBA FEF
13.	$5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5$ $\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{6}3\underline{4}1\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}$	FED CBA FE D EF FED CB A BC DEF FEDEF ABC DEF
14.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{6}5$ $\underline{1}2\underline{3}4\underline{5}6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}1\underline{4}3\underline{6}5$ $\underline{6}5\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2$	ABC DE FF EDE F ABCCBA FEDEF FED CB

6-3 SHADOW WEAVE. Extended point twill development. 70 nds.

PROFILE



THREADING

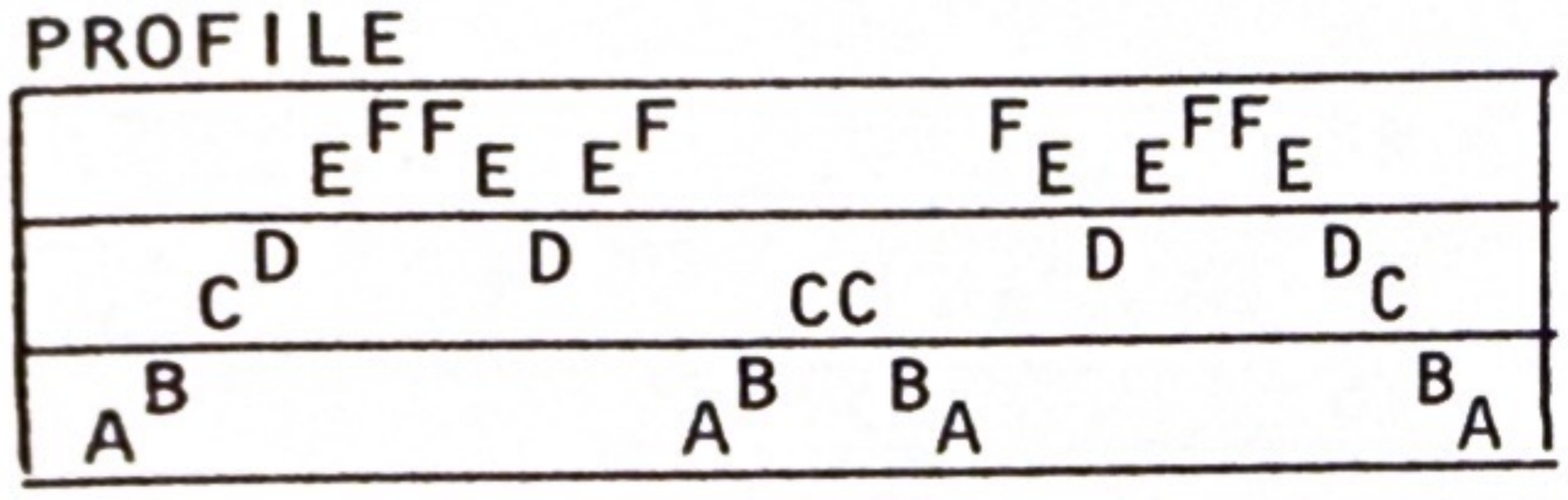

10 20 30 40 50 60 70
C c F f C c C f F c C f F c C f F F f C c F f
B b E e B b b B e E b B e E b B e E E e B b E e
A a D d A a a A d D a A d D a A d D d A a D d

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5$	ABC DEF
3.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\ \underline{6}5\underline{6}\ 3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}2$	ABC DE FF ED CB
4.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5\ \underline{1}2\underline{3}4\ \underline{5}6\underline{5}\ 4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}2\underline{1}\ 5\underline{6}3\underline{4}\ 1\underline{2}1\ \underline{4}3\underline{6}5$	ABC DEF AB CC BA FED CBA FED EF
5.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5\ \underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\ \underline{6}5\underline{6}\ 3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}\ 5\underline{6}3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}2\underline{1}\ 5\underline{6}3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}2\underline{1}$ $2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5\ \underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5$	ABC DEF ABC DE FF ED CBA FED CBA FED CBA BC DEF ABC DEF
6.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5\ \underline{1}2\underline{3}4\ \underline{5}6\underline{5}\ 4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}\ 2$	ABC DEF AB CC BA FED CB
7.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\ \underline{6}5\underline{6}\ 3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}\ 2\underline{1}2\ \underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5$	ABC DE FF ED CBA FED CB A BC DEF
8.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5\ \underline{4}3\underline{2}1\underline{2}3\underline{4}\ 5\underline{6}2\underline{1}4\underline{3}$ $6\underline{5}6\ \underline{3}4\underline{1}2\ \underline{6}5\underline{4}3\ \underline{2}1\underline{2}\ 3\underline{4}5\underline{6}\ 3\underline{4}1\underline{2}6\underline{5}4\underline{3}\ 2$	ABC DEF EDDE FAB C BA FE DD EF EDCB
9.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\underline{6}5\ \underline{1}2\underline{3}4\ \underline{5}6\underline{5}\ 4\underline{3}2\underline{1}2$ $\underline{3}4\underline{5}6\ \underline{2}1\underline{4}3\ \underline{6}5\underline{6}\ 3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}$ $2\underline{1}2\ \underline{3}4\ \underline{5}6\underline{5}\ 4\underline{3}2\underline{1}\ 5\underline{6}3\underline{4}1\underline{2}\ 6\underline{5}4\underline{3}2$	ABC DEF AB CC BA BC DE FF ED CB AB CC BA FED CB

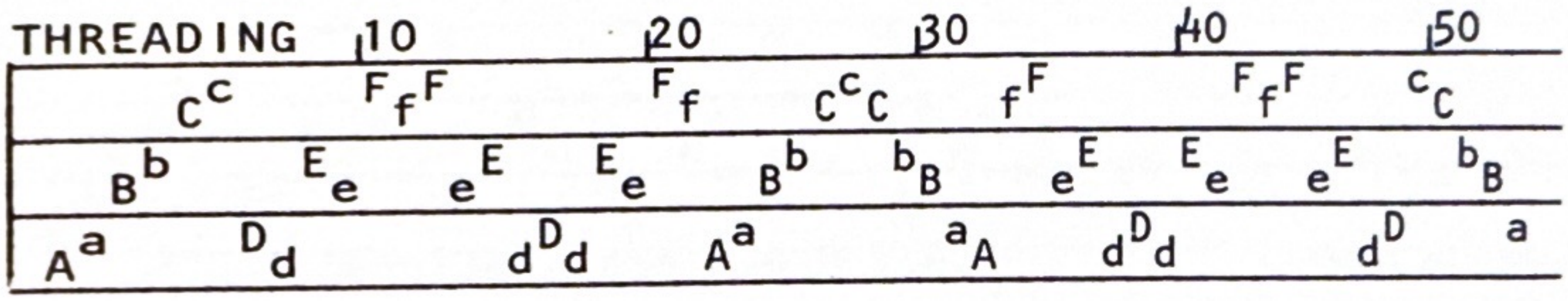
Treadling #4 is threading draft 6-14
Treadling #6 is threading draft 6-10
Treadling #8 is threading draft 6-5

6-4 SHADOW WEAVE. Extended point twill development. 54 nds.

PROFILE

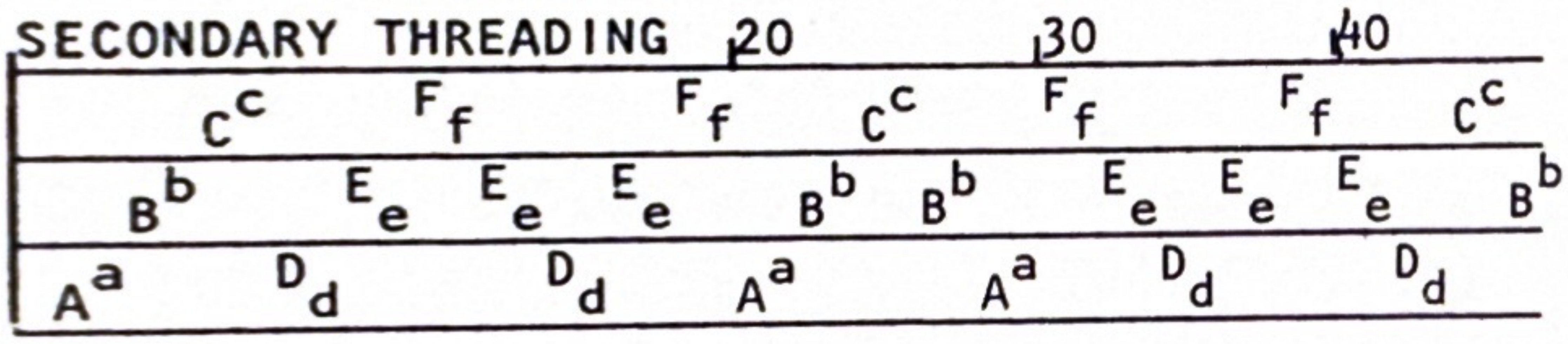


THREADING



TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF
3.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}$ 2	ABC DE FF ED CB
4.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$	ABC DE FF ED CBA DEF AB CC BA FED
5.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{2}$ $6\underline{5}4\underline{3}$ 2	ABC DD CB
6.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF ABBA FED CBA FED C DEF
7.	$\underline{1}2\text{x}2$ $\underline{3}4\underline{5}6$ $\underline{2}1\text{x}2$ $\underline{4}3\text{x}2$ $\underline{6}5\underline{6}5\underline{6}$ $\underline{3}4\text{x}2$ $1\underline{2}\text{x}2$ $6\underline{5}4\underline{3}$ $2\underline{1}\text{x}2$ $5\underline{6}\text{x}2$ $3\underline{4}3\underline{4}3\_6 5\text{x}2$	AA BC DD EE FFF EE DD CB AA FF EE FF
8.	$\underline{1}2\text{x}2$ $\underline{3}4\text{x}2$ $\underline{5}6\text{x}2$ $\underline{2}1\underline{2}1\underline{2}$ $6\underline{5}\text{x}2$ $4\underline{3}\text{x}2$ 2	AA BB CC DDD CC BB
9.	$\underline{1}2\underline{3}4\underline{3}2$	ABB--Rotation

SECONDARY THREADING

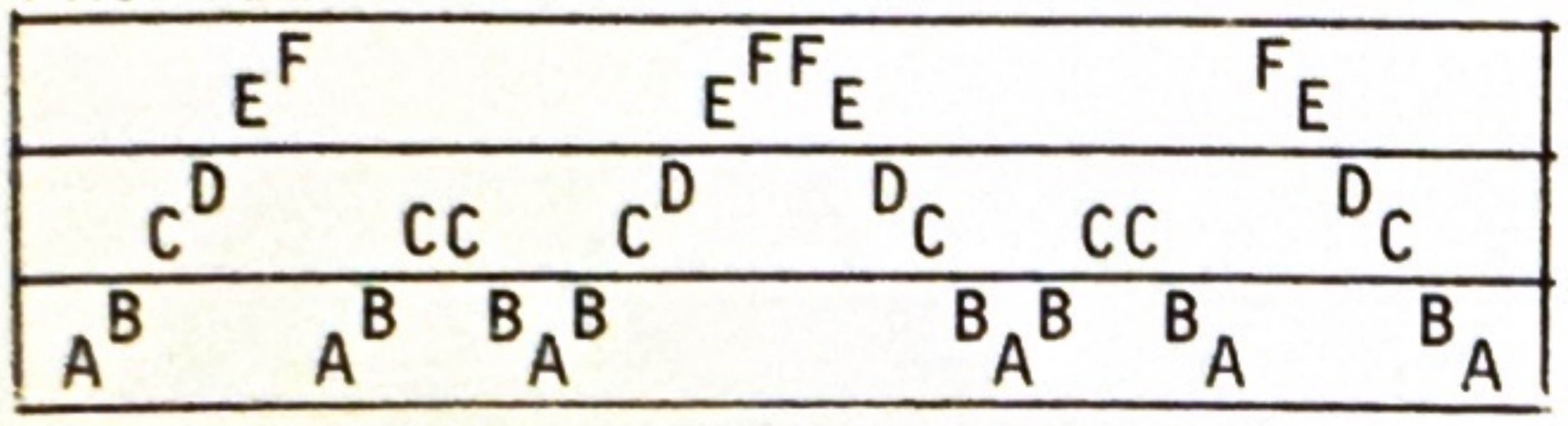


Adjust treadling to threading.

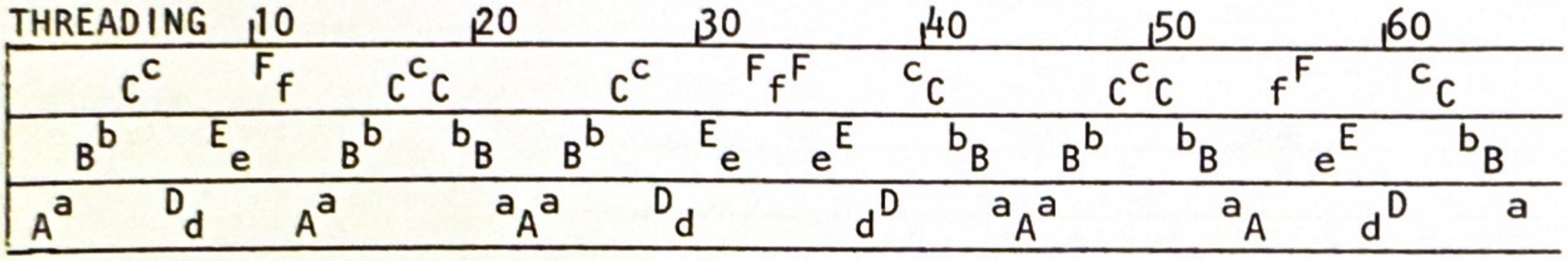
It will be noted that Preferred threading requires 54 nds. while Secondary threading is done with 48 nds.

6-5 SHADOW WEAVE. Extended point twill development. 66 nds.

PROFILE

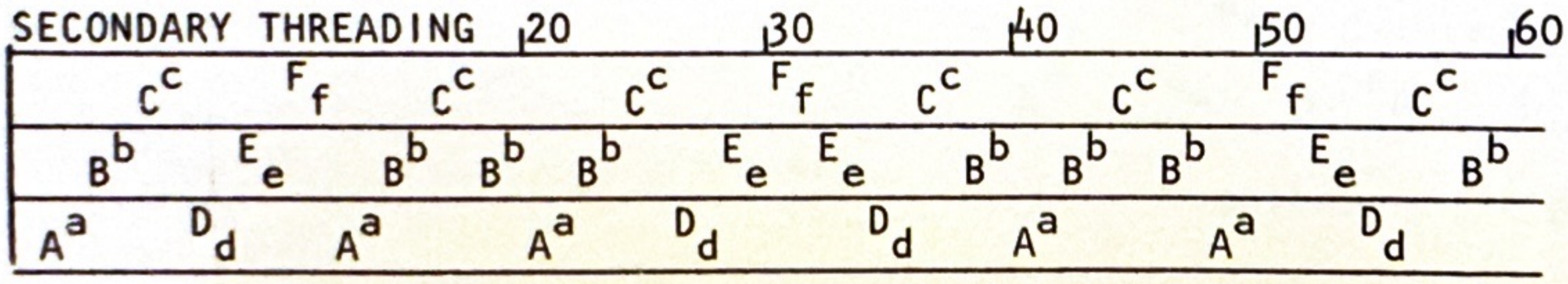


THREADING



TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 65432	ABC DE FF ED CB
4.	123456 2143412 654321 565	ABC DEED CBA F
5.	656 3412 654321 5634 121 43 656 3412 6543 212 3456 2143 656 34 121 4365 123456 2143	FF ED CBA FE D E FF ED CB A BC DE FF E D EF ABC DE
6.	123456 214365 121 563412 654321 5634 121 4365	ABC DEF AA FED CBA FE D EF
7.	123456 214365 12345654321 563412 654321 563412 6543456 214365	ABC DEF ABCCBA FED CBA FED CBC DEF
8.	123456 2143 656 3412 654321 214365 1234 565 4321 563412	ABC DE FF ED CBA DEF AB CC BA FED
9.	121 5634 121 4365	AA FE D EF
10.	12x2 3456 21x2 43434 12x2 6543 21x2 56565	AA BC DD EEE DD CB AA FFF
11.	12x2 3456 212 6543 2	AA BC DD CB

SECONDARY THREADING

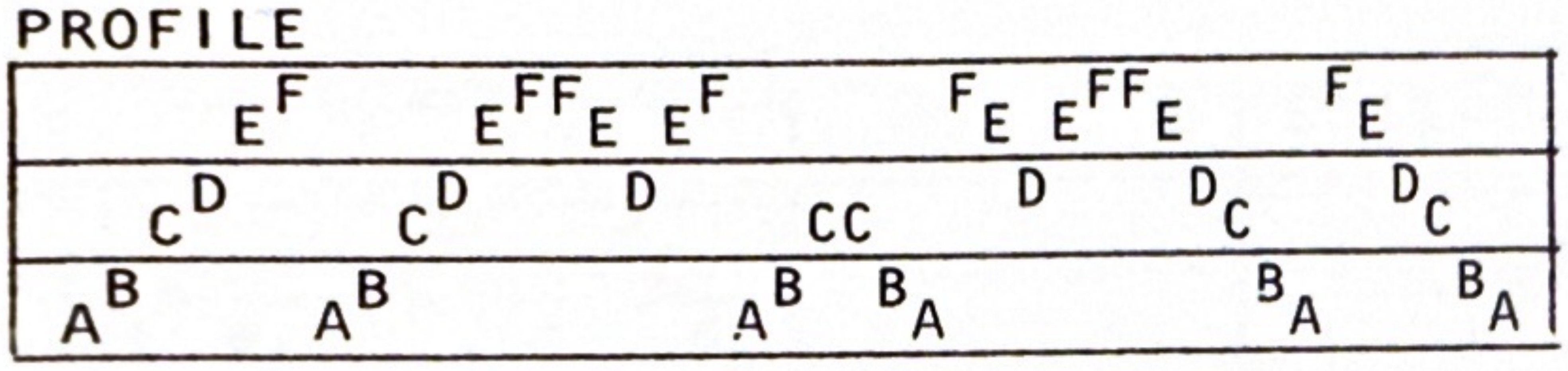


Preferred threading requires 66 nds., Secondary threading 60 nds.

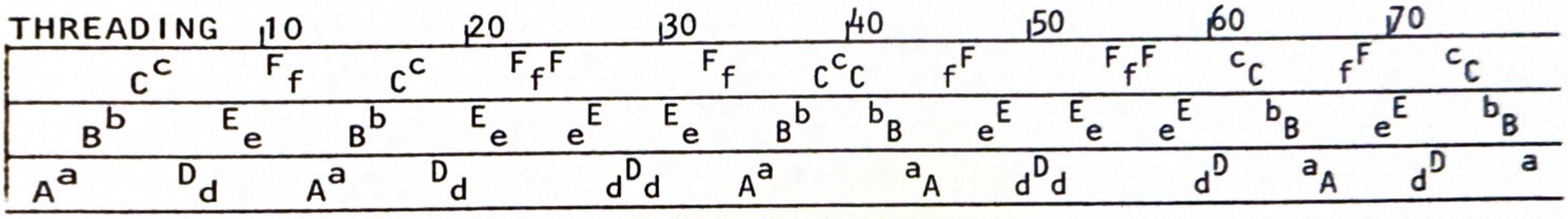
Adjust treadling to threading.

6-6 SHADOW WEAVE. Extended point twill development. 78 nds.

PROFILE

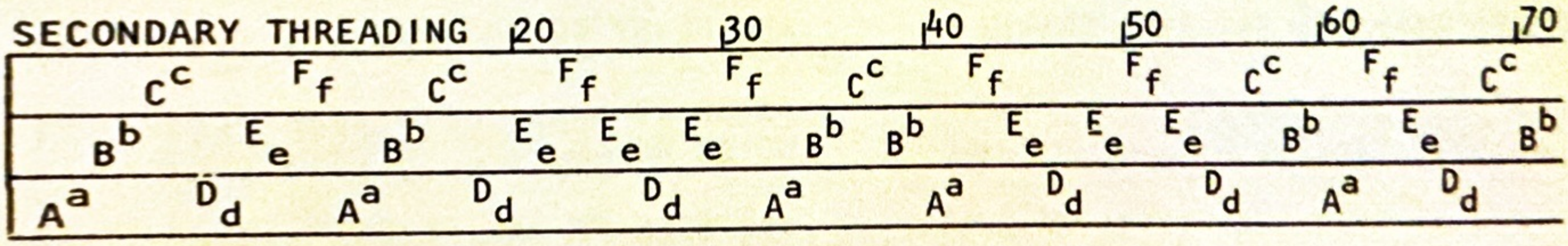


THREADING



TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
4.	123456 2143412 654321 565	ABC DEED CBA F
5.	123456 2143412 654321 565 123456 214365 121 563412 654321 565	ABC DEED CBA F ABC DEF AA FED CBA F
6.	123456 2143 656 34 121 4365 1234 565 4321 5634 121 43 656 3412 6543 2	ABC DE FF E C EF AB CC BA FE D E FF ED CB
7.	123456 214365 123456 212 654321 563412 6543 212 3456 214365	ABC DEF ABC DD CBA FED CB A BC DEF
8.	1234 565 4321 2143 656 3412	AB CC BA DE FF ED
9.	656 3412 6543 212 3456 2143 656 565 4321 5634 121 4365 1234 565	FF ED CB A BC DE FF CC BA FE D EF AB CC
10.	12x2 3456 212 6543 2	AA BC DD CB
11.	656 34 121 43	FF E D E--Rotation

SECONDARY THREADING

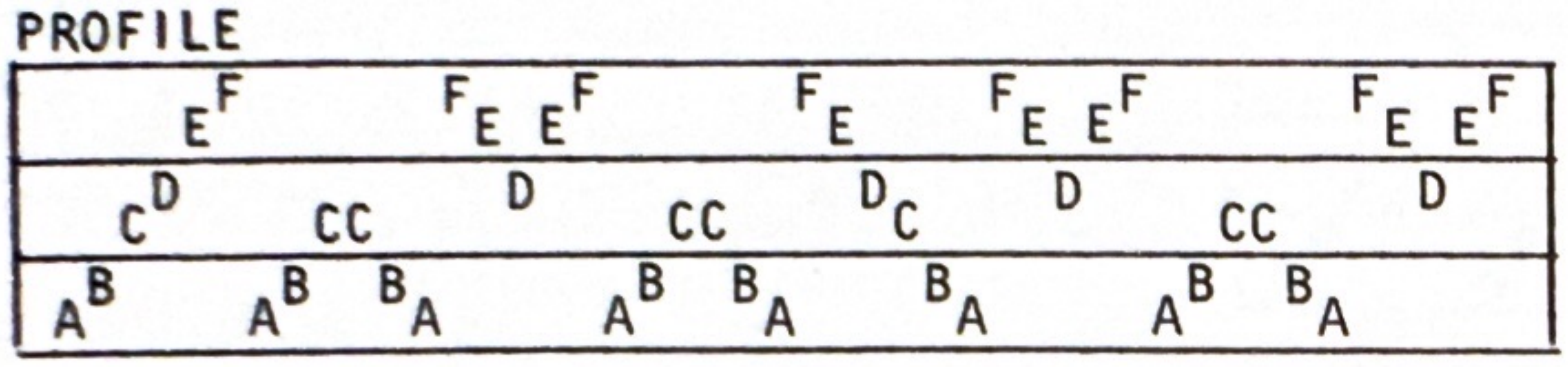


Preferred threading 78 nds., secondary threading 72 nds.

Adjust treadling to threading.

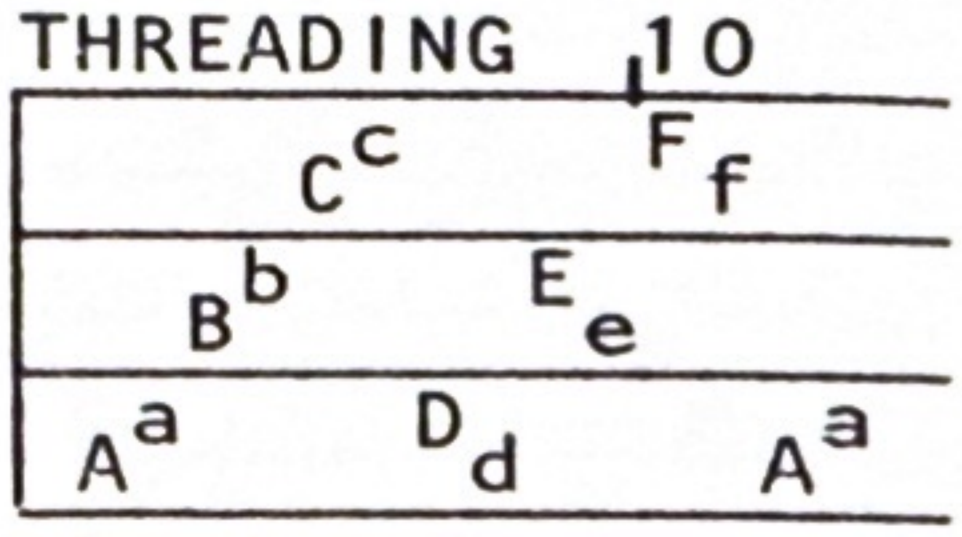
6-7 SHADOW WEAVE. Extended point twill development. 90 nds.

PROFILE

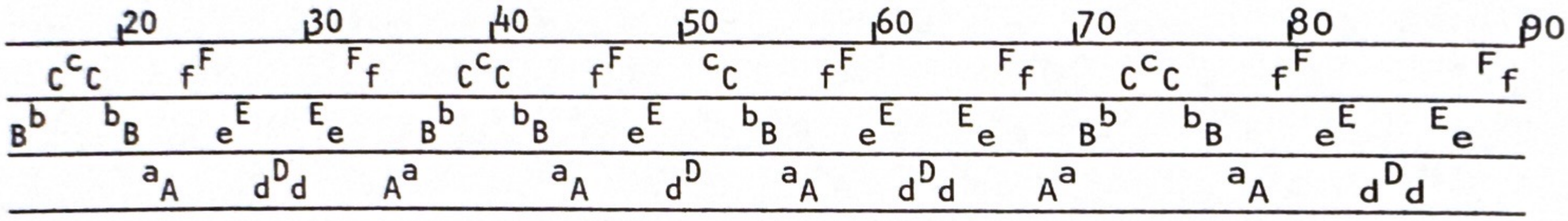


E F F E E F F E F E E F F E E F
C D C C D C C D C D C C D
A B A B B A A B B A B A A B B A

THREADING



10
C C F f
B b E e
A a D d A a

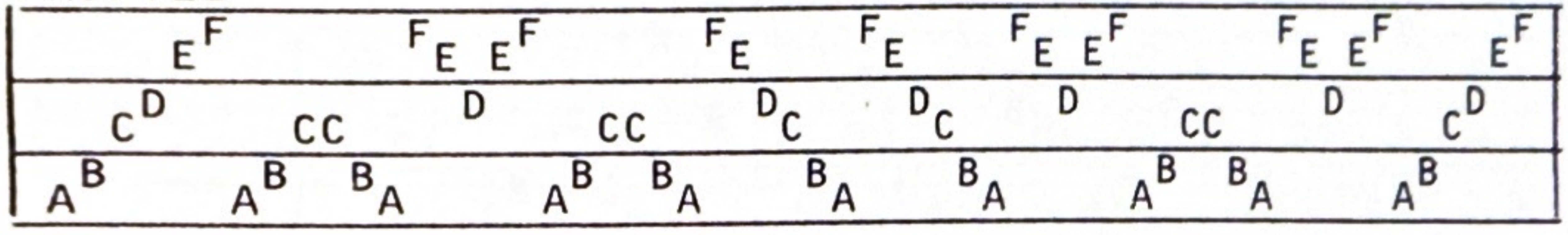


20 30 40 50 60 70 80 90
c C C f F F f c C C f F c C f F F f c C C f F F f
B b b B e E E e B b b B e E b B e E E e B b b B e E E e
a A d D d A a a A d D a A d D d A a a A d D d

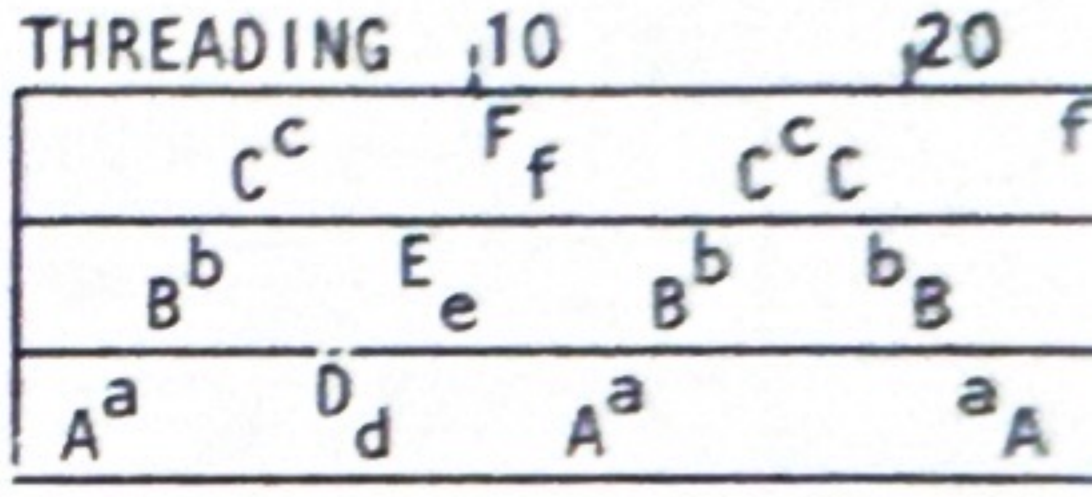
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
4.	123456 2143 656 3412 654321 5634365	ABC DE FF ED CBA FEF
5	123456 212 6543 2	ABC DD CB
6.	123456 2143412 6543 2	ABC DEED CB
7.	123456 214365 1234 565 4321 5634 121 4365 1234 565 4321 563412 654321 563412 654321 5634 121 4365 1234 565 4321 5634 121 4365 123456 214365	ABC DEF AB CC BA FE D EF AB CC BA FED CBA FED CBA FE D EF AB CC BA FE D EF ABC DEF
8.	123456 214365 1234 565 4321 56341265 434 56214365 1234 565 4321 563412 654321 563412 65 434 56 214365 1234 565 4321 56341265 434 56 214365	ABC DEF AB CC BA FEDC B CDEF AB CC BA FED CBA FED C B C DEF AB CC BA FEDC B C DEF
9.	123456 214365 123456 212 654321 563412 654321 23456 214365	ABC DEF ABC DD CBA FED CBA BC DEF
10.	123456 2143 656 565 4321 563412	ABC DE FF CC BA FED
11.	12x2 3456 21x2 43434 12x2 6543 21x2 56565	AA BC DD EEE DD CB AA FF
12.	123456 21 43x2 65x2 12121 56x2 34x2 12 654321 56x2 34x2 12121 43x2 65x2	ABC D EE FF AAA FF EE D CBA FF EE DD EE FF

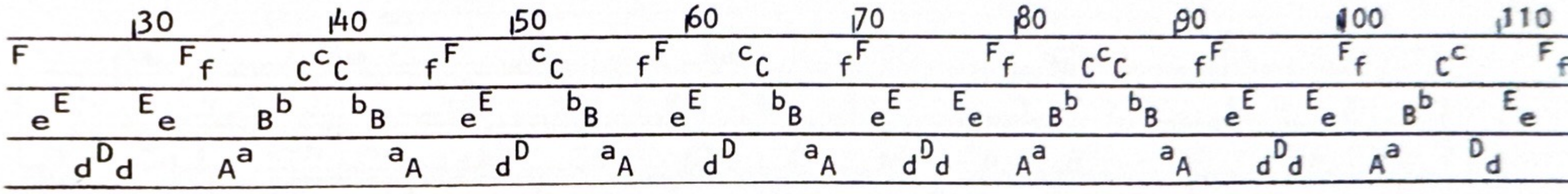
6-8 SHADOW WEAVE. Extended point twill development. 114 nds.

PROFILE


EF FE EF FE FE FE EF FE EF EF
CD CC D CC DC DC D CC D CD
AB AB BA AB BA BA BA AB BA AB

THREADING


10
20
Cc Ff cCc f
Bb Ee Bb bB
Aa Dd Aa aA

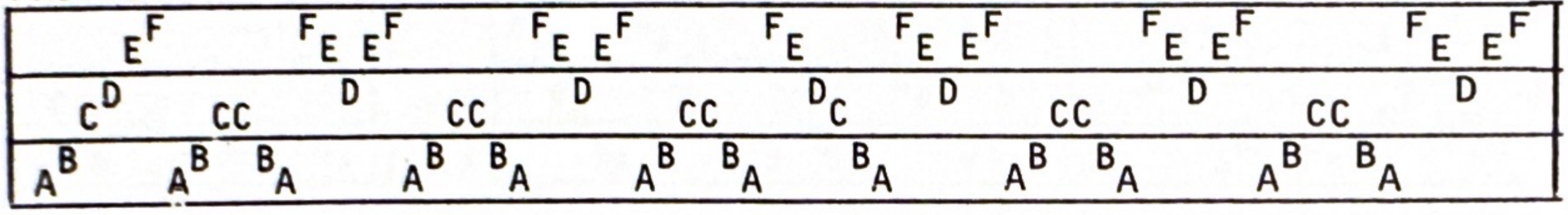

30
40
50
60
70
80
90
100
110
F Ff cCc fF cC fF cC fF Ff cCc fF Ff cC Ff
eE Ee Bb bB eE bB eE bB eE Ee Bb bB eE Ee Bb Ee
dDd Aa aA dD aA dD aA dDd Aa aA dDd Aa Dd

TREADLE NUMBERS. Dark underlined. UNIT-BLOCK designations.

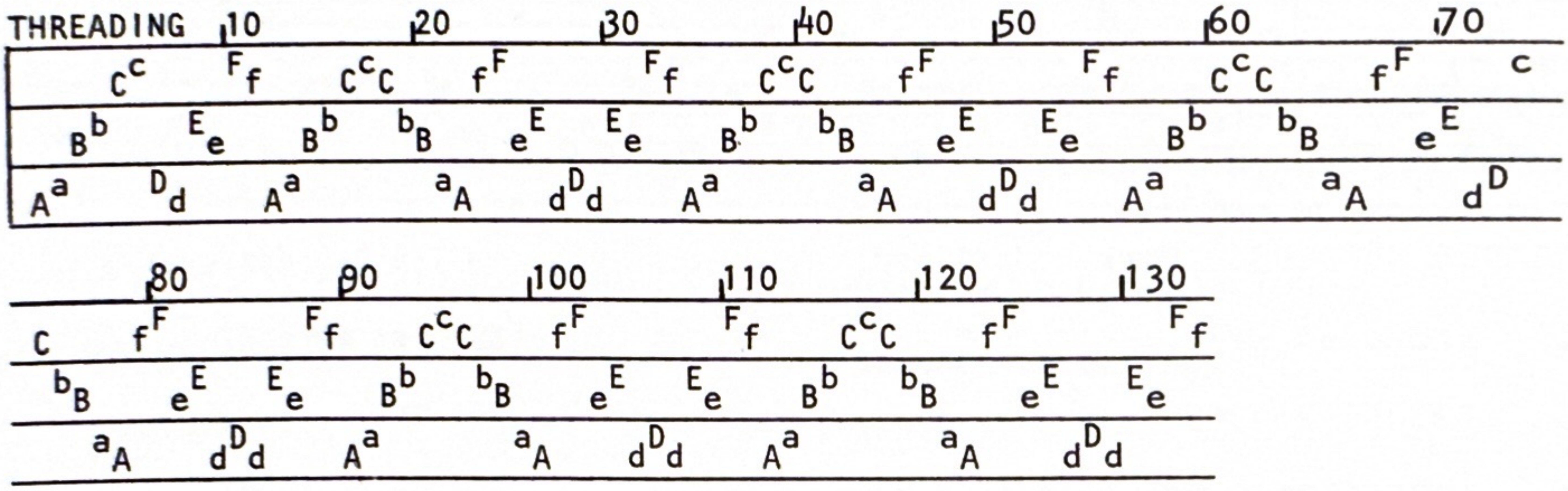
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
4.	123456 2143 656 3412 654321 5634365	ABC DE FF ED CBA FEF
5.	123456 212 6543 2	ABC DD CB
6.	123456 2143412 6543 2	ABC DEED CB
7.	123456 214365 1234 565 4321 5634 121 4365 1234 565 4321 563412 654321 5634 121 4365 1234 565 4321 5634 121 4365	ABC DEF AB CC BA FE D EF AB CC BA FED CBA FE D EF AB CC BA FE D EF
8.	123456 214365 1234 565 4321 563412 6543456 214365 12345654321 563412 654321 563412 654321 563412 6543456 214365 12345654321 563412 6543456 214365 123456 214365	ABC DEF AB CC BA FED CBC DEF ABCCBA FED CBA FED CBA FED CBC DEF ABCCBA FED CBC DEF ABC DEF
9.	123456 214365 123456 212 654321 563412 654321 23456 214365	ABC DEF ABC DD CBA FED CBA BC DEF
10.	123456 2143 656 565 4321 563412	ABC DE FF CC BA FED
11.	12x2 3456 21x2 43434 12x2 6543 21x2 56565	AA BC DD EEE DD CB AA FF
12.	123456 21 43x2 65x2 12121 56x2 34x2 12 654321 56x2 34x2 12121 43x2 65x2	ABC D EE FF AAA FF EE D CBA FF EE DD EE FF

6-9 SHADOW WEAVE. Extended point twill development 134 nds.

PROFILE



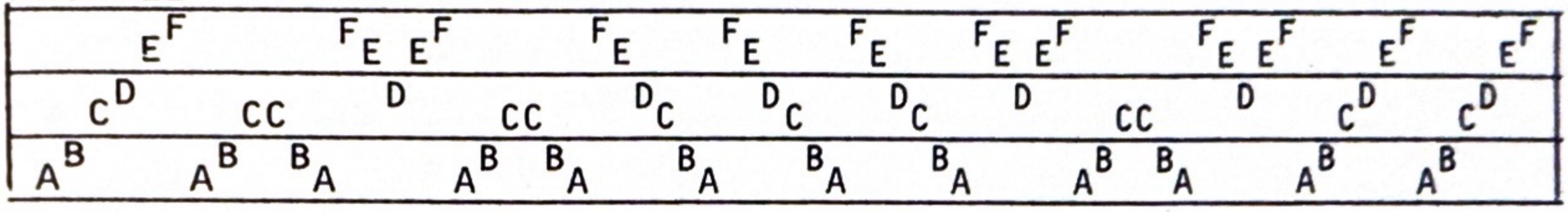
THREADING



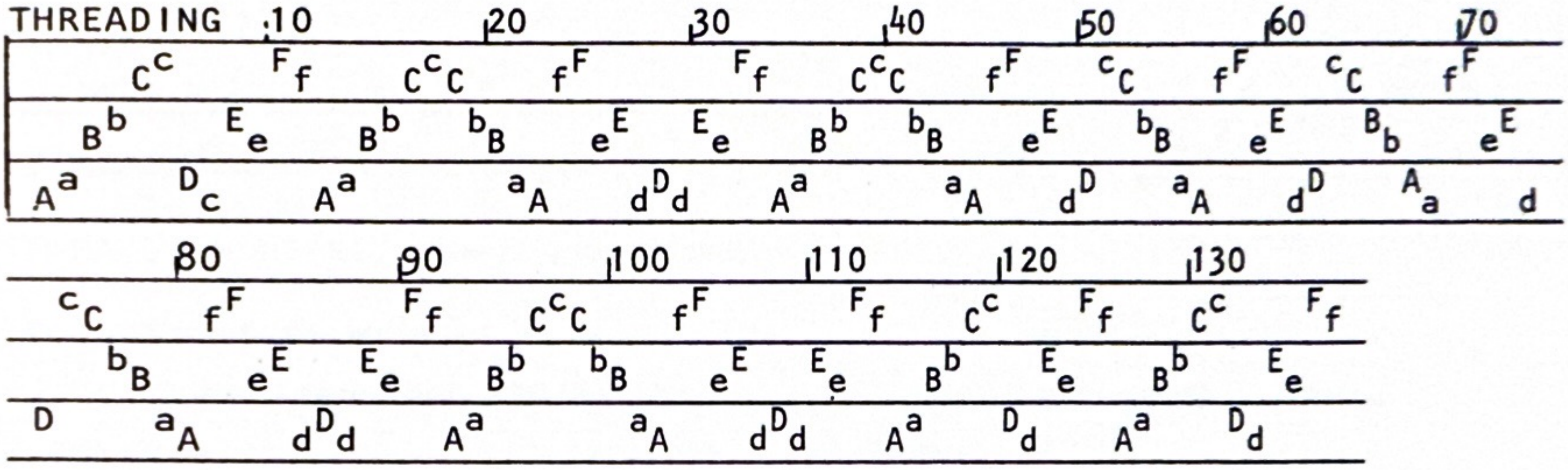
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
4.	123456 2143412 654321 565	ABC DEED CBA F
5.	123456 214365 1234321 563412 654321 563412 656 214365	ABC DEF ABBA FED CBA FED C DEF
6.	123456 214365 123456 212 654321 563412 65432123456 214365	ABC DEF ABC DD CBA FED CBABC DEF
7.	123456 214365 123456 2143412 654321 563412 654321 565 123456 214365	ABC DEF ABC DEED CBA FED CBA F ABC DEF
8.	123456 2143 656 565 4321 563412	ABC DE FF CC BA FED
9.	1234 565 4321 2143 656 3412	AB CC BA DE FF ED
10.	1234 565 432	AB CC B--Rotation
11.	12x2 3456 212 6543 2	AA BC DD CB--Rotation

6-10 SHADOW WEAVE. Extended point twill development 138 nds.

PROFILE



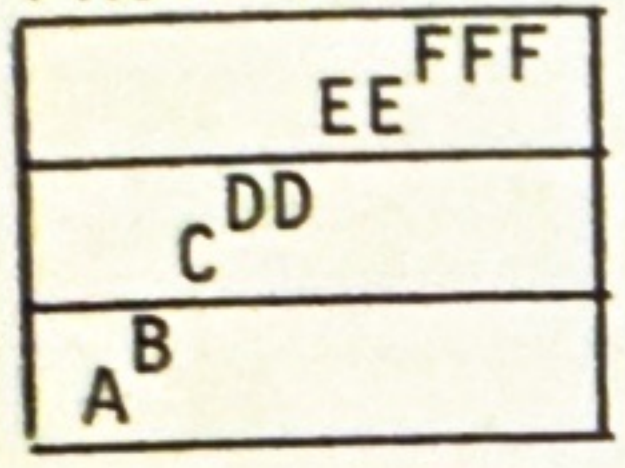
THREADING



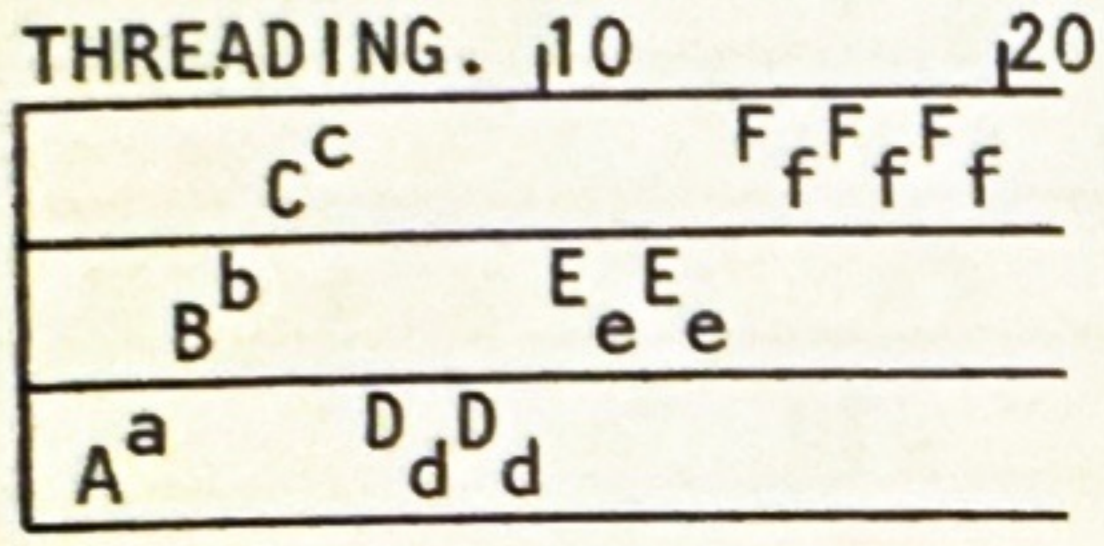
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 21436563412 654321 2	ABC DEFFED CBA
4.	123456 21436563412 654321 5634365	ABC DEFFED CBA FEF
5.	123456 212 6543 2	ABC DD CB
6.	123456 2143412 6543 2	ABC DEED CB
7.	123456 214365 12345654321 56341214365 12345654321 563412654321 563412654321 56341214365 12345654321 56341214365 123456214365	ABC DEF ABCCBA FEDEF ABCCBA FEDCBA FEDCBA FEDEF ABCCBA FEDEF ABC DEF
8.	123456214365 12345654321 563412 6543456 214365 12345654321 563412 654321 563412654321 563412 654321 563412 6543456 214365 123456 214365 123456 214365	ABCDEF ABCCBA FED CBC DEF ABCCBA FED CBA FEDCBA FED CBA FED CBC DEF ABC DEF ABC DEF
9.	123456 214365 123456212654321 563412 654321 23456 214365	ABC DEF ABCDDCBA FED CBA BC DEF
10.	123456 2143 656 565 4321 563412	ABC DE FF CC BA FED
11.	12x2 3456 21x2 43434 12x2 6543 21x2 56565	AA BC DD EEE DD CB AA FF
12.	123456 21 43x2 65x2 12121 56x2 34x2 12 654321 56x2 34x2 12121 43x2 65x2	ABC D EE FF AAA FF EE D EFA FF EE DD EE FF

6-11 SHADOW WEAVE. Asymmetrical development. 20 nds.

PROFILE



THREADING.



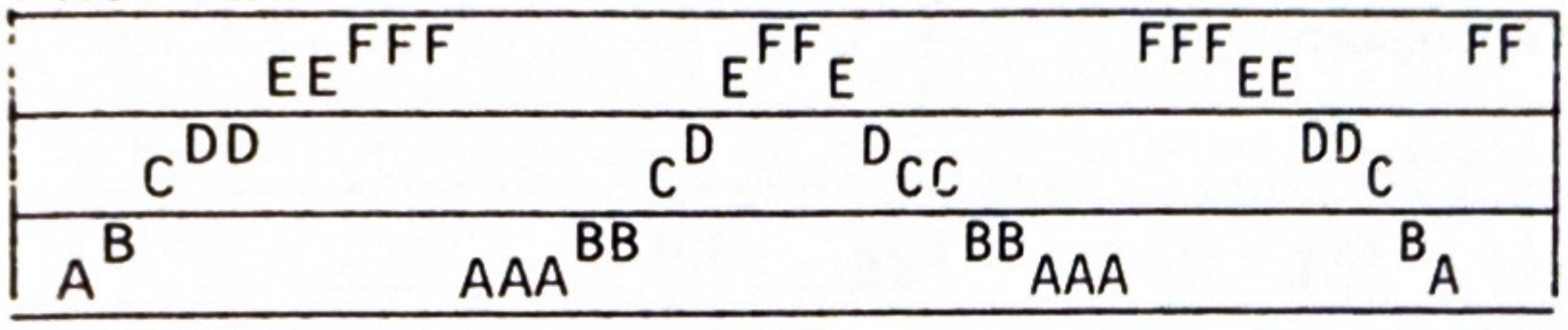
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123467 214376	ABC DEF
3.	12x2 34x2 56x2 21x2 43x2 65x2	AA BB CC DD EE FF
4.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
5.	12x2 34x2 56x2 21x2 434 12x2 65x2 43x2 21x2 565	AA BB CC DD EE DD CC BB AA F
6.	123456 214365 121 563412 654321 5634 121 4365	ABC DEF AA FED CBA FE D EF
7.	123456 2143 656 565 4321 563412	ABC DE FF CC BA FED
8.	1234 565 656 3412	AB CC FF ED
9.	123456 2143 656 3412 654321 214365 1234 565 4321 563412	ABC DE FF ED CBA DEF AB CC BA FED
10.	12 343 21 565	A BB A F--Rotation
11.	343 656	D FF--Rotation

Preferred and secondary threading the same.

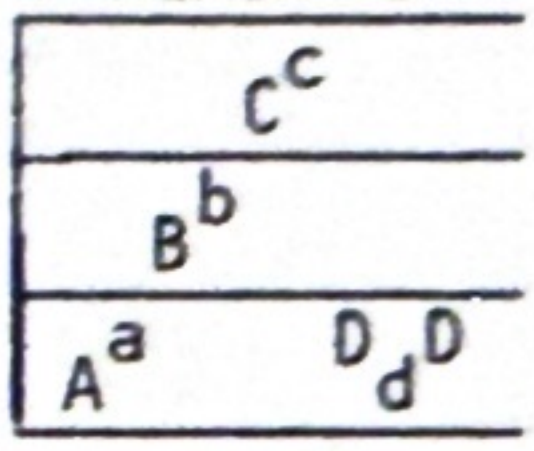
This threading is the first grouping of drafts 6-12 and 6-13

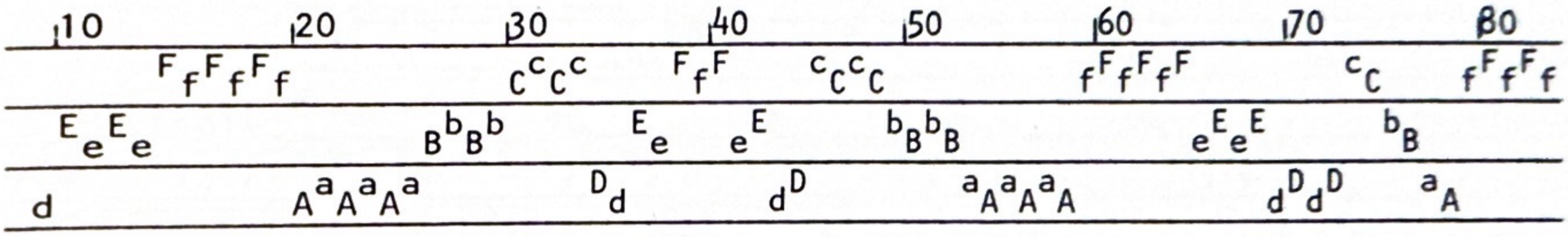
6-12 SHADOW WEAVE. Undulating development. 84 nds.

PROFILE



THREADING

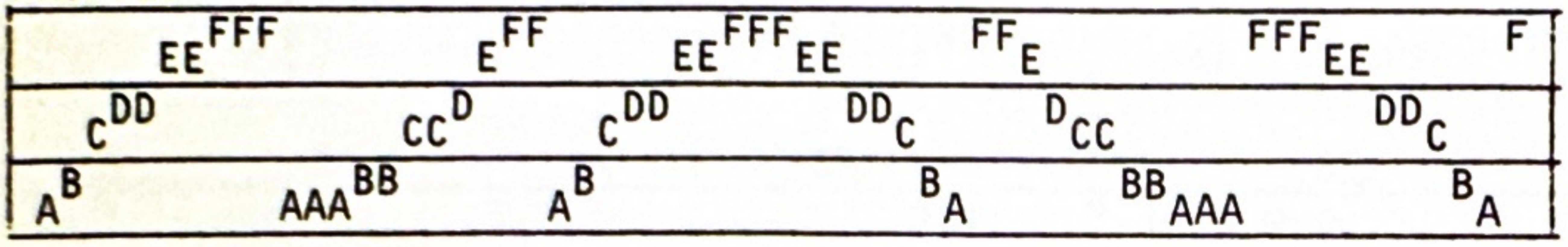




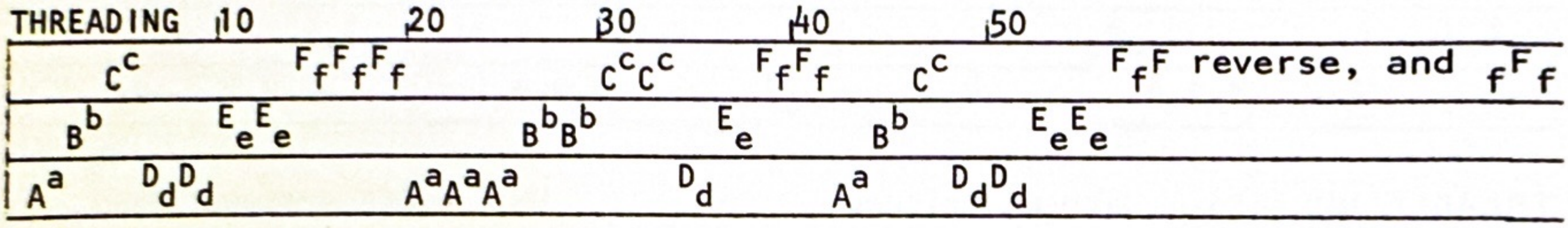
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x3 34x3 56x3 21x2 43x2 6512 34x2 56x2 21x3 43x3 656 34x3 12x3 65x2 34x2 2156 34x2 12x2 65x3 43x3 21x3 56565	AAA BBB CCC DD EE FA BB CC DDD EE FF EEE DDD CC BB AF EE DD CCC BBB AAA FF
3.	12x3 34x3 56x3 21x2 43x2 6512 34x2 56x2 21x3 43x3 656 34x3 12x3 65x2 43x2 2156 34x2 12x2 65x3 43x3 2	AAA BBB CCC DD EE FA BB CC DDD EEE FF EEE DDD CC BB AF EE DD CCC BBB
4.	12x2 34x2 56x3 21x2 43x2 65x2 12x2 34x2 56x2 21x2 43x2 656 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56565	AA BB CC DD EE FF AA BB CC DD EE FF EE DD CC BB AA FF EE DD CC BB AA FF
5.	12x2 34x2 56x2 21x2 43x2 656 34x2 12x2 65x2 43x2	AA BB CC DD EE FF EE DD CC BB
6.	12x2 34x2 56x2 21x2 43x2 65x2 121 56x2 34x2 12x2 65x2 43x2 21x2 56565	AA BB CC DD EE FF AA FF EE DD CC BB AA FFF
7.	12x2 34x2 56x2 21x2 43x2 65x2 12x2 343 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34343 65x2	AA BB CC DD EE FF AA BB AA FF EE DD CC BB AA FF EE FF
8.	12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 565 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12121 43x2 65x2	AA BB CC DD EE FF AA BB CC BB AA FF EE DD CC BB AA FF EE DD EE FF
9.	12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 56x2 212 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65656 21x2 43x2 65x2	AA BB CC DD EE FF AA BB CC DD CC BB AA FF EE DD CC BB AA FF EE DD CC DD EE FF
10.	12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 56x2 21x2 434 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43434 56x2 21x2 43x2 65x2	AA BB CC DD EE FF AA BB CC DD EE DD CC BB AA FF EE DD CC BB AA FF EE DD CC BB CC DD EE FF
11.	12x2 34x2 565 43x2 21x2 12x2 34x2 56565 43x2 21x2	AA BB CC BB AA Switch interlacement.

6-13 SHADOW WEAVE. Undulating development. 121 nds.

PROFILE


EE FFF E FF EE FFF EE FF E FFF EE F
C DD CC D C DD DD C D CC DD C
A B AAA BB A B B A BB AAA B A

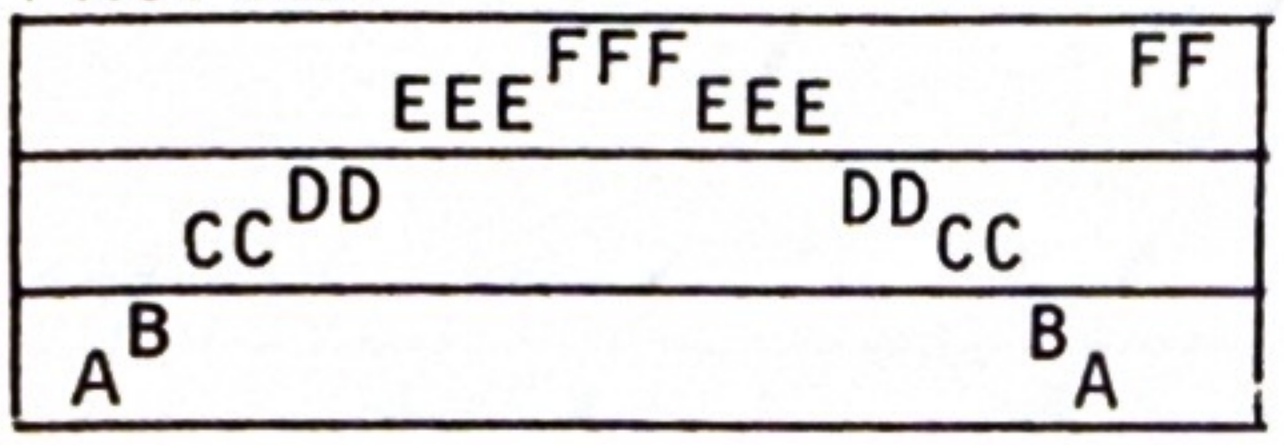
THREADING


10
20
30
40
50
C c F f F f F f C c C c F f F f C c F f F reverse, and f F f
B b E e E e B b B b E e B b E e E e
A a D d D d A a A a A a D d A a D d D d

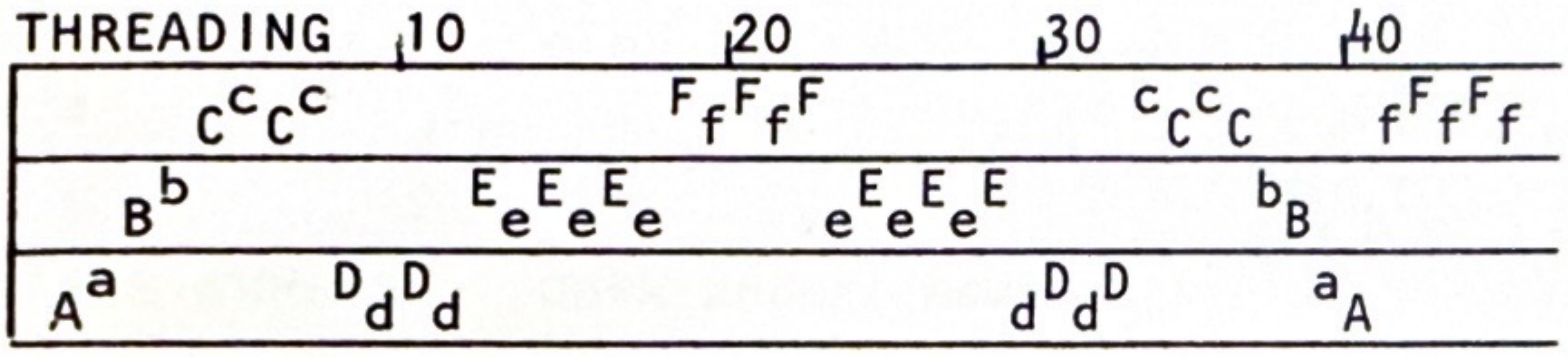
1.	Tromp as writ.	Same as threading.
2.	12x2 34x2 56x2 21x2 43x2 65x2	AA BB CC DD EE FF
3.	12x3 34x3 56x3 21x2 43x2 6512 34x2 56x2 21x3 43x3 65x2 12x3 34x3 56x3 21x2 43x2 656 34x2 12x2 65x3 43x3 21x3 56x2 34x3 12x3 65x2 43x2 2156 34x2 12x2 65x3 43x3 21x3 5656565	AAA BBB CCC DD EE FA BB CC DDD EEE FF AAA BBB CCC DD EE FF EE DD CCC BBB AAA FF EEE DDD CC BB AF EE DD CCC BBB AAA FFF
4.	12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 56x2 21x2 43x2 65656 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56565	AA BB CC DD EE FF AA BB CC DD EE FF AA BB CC DD EE FFF EE DD CC BB AA FF EE DD CC BB AA FF EE DD CC BB AA FF
5.	12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 56x2 21x2 43x2 65x2 12x2 34x2 56565 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65x2 43x2 21x2 56x2 34x2 12x2 65656 21x2 43x2 65x2	AA BB CC DD EE FF AA BB CC DD EE FF AA BB CCC BB AA FF EE DD CC BB AA FF EE DD CC BB AA FF EE DD CC DD EE FF
6.	123456 21x2 43x2 65656 34x2 12x2 654321 56341214365	ABC DD EE FFF EE DD CBA FEDEF
7.	563412 65x2 43x2 21x2 56x3 34x2 12x2 6543 21x2 563412 65x2 43x2 21212 34x2 56x2 214365 12x2 3456 21x2 43x2 65x3 12x2 34x2 56x2 214365	FED CC BB AA FFF EE DD CB AA FED CC BB AA BB CC DEF AA BC DD EE FFF AA BB CC CEF
8.	56x3 34x2 12x2 6543 21x2 563412 65x2 43x2 21212 34x2 56x2 214365 12x2 3456 21x2 43x2 65x3 12121	FFF EE DD CB AA FED CC BB AA BB CC DEF AA BC DD EE FFF AAA
9.	563412 65x2 43x2 2121212 34x2 56x2 214365 12121	FED CC BB AAA BB CC DEF AAA
10.	563412 654321 56x2 34x2 1212121 43x2 65x2 123456 214365 12121	FED CBA FF EE DDD EE FF ABC DEF AAA

6 -14 SHADOW WEAVE. Undulating development--Rosepath. 46 nds.

PROFILE



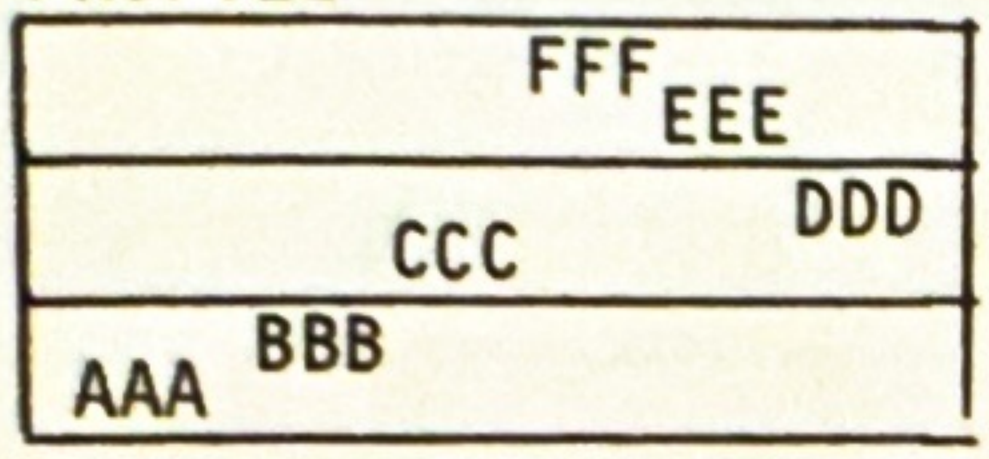
THREADING



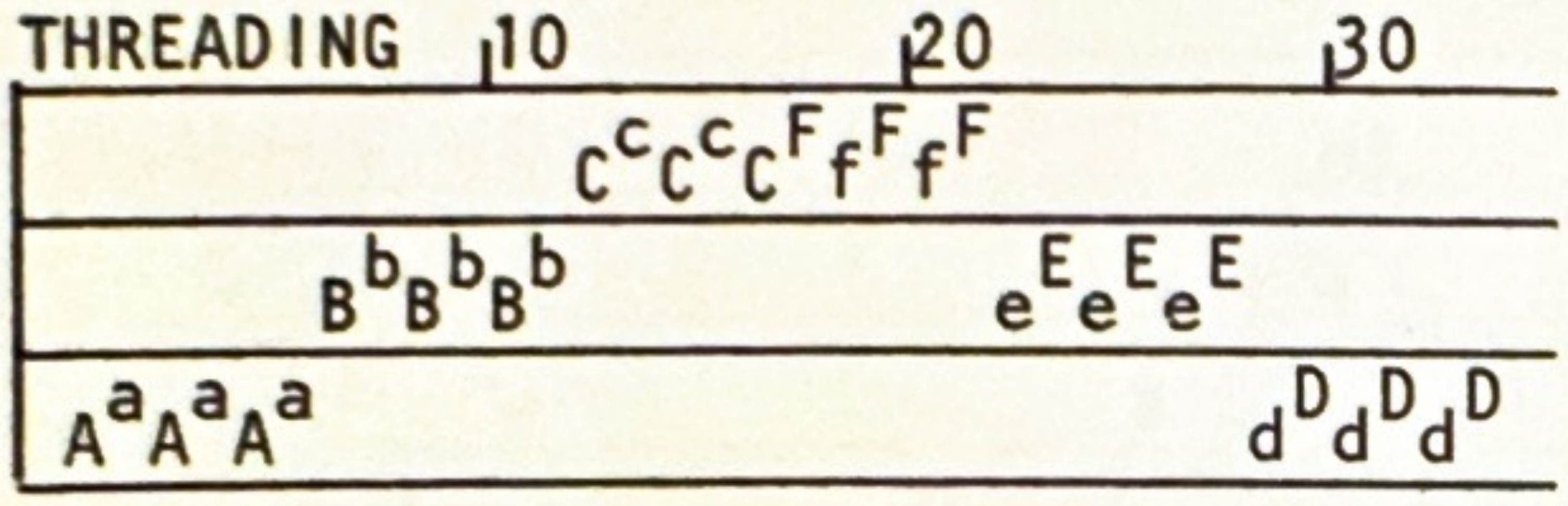
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4$ $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5\underline{6}5\underline{6}$ $3\underline{4}$x3 $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$-2	AB CC DD EEE FFF EEE DD CC B
3.	$\underline{1}2\underline{3}4$ $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5$x3 $\underline{1}2\underline{1}2\underline{1}$ $5\underline{6}$x3 $3\underline{4}$x3 $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$ 2	AB CC DD EEE FFF AAA FFF EEE DD CC B
4.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5\underline{6}$ $3\underline{4}$x2 $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $5\underline{6}5\underline{6}5$	AA BB CC DD EE FF EE DD CC BB AA FF
5.	$\underline{1}2\underline{3}4$ $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5$x3 $\underline{1}2$x2 $\underline{3}4$x2 $\underline{5}6\underline{2}1$ $\underline{4}3$x2 $\underline{6}5$x2 $\underline{1}2$x3 $\underline{3}4$x3 $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3\underline{6}5$ $\underline{1}2$x2 $\underline{3}4$x2 $\underline{5}6$x3 $\underline{2}1$x3 $\underline{4}3$x2 $\underline{6}5$x2	AB CC DD EEE FFF AA BB CD EE FF AA BBB CC DD EF AA BB CCC DDD FFF
6.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x2 $\underline{6}5$x2	AA BB CC DD EE FF
7.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3\underline{6}5$ $\underline{1}2\underline{1}$ $5\underline{6}3\underline{4}$ $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$x2 2	AAA BBB CC DD EF AA FE DD CC BB
8.	$\underline{1}2\underline{3}4$ $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5$x3 $\underline{1}2\underline{3}4$ $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5$x3 $\underline{1}2\underline{1}2\underline{1}$ $5\underline{6}$x3 $3\underline{4}$x3 $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}2\underline{1}$ $5\underline{6}$x3 $3\underline{4}$x3 $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}2$	AB CC DD EEE FFF AB CC DD EEE FFF AAA FFF EEE DD CC BA FFF EEE DD CC B
9.	$\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}$ $5\underline{6}$x3 $3\underline{4}$x3 $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$ 2 $\underline{1}2\underline{3}4$ $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3$x3 $\underline{6}5$x3	AB CC BA FFF EEE DD CC B AB CC DD EEE FFF
10.	$\underline{1}2$x3 $\underline{3}4$x3 $\underline{5}6\underline{5}$ $4\underline{3}$x3 $2\underline{1}$x3 $5\underline{6}3\underline{4}$ $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$x3 $2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4$x3 $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3\underline{6}5$	AAA BBB CC BBB AAA FE DD CC BBB AAA BBB CC DD EF

6-15 SHADOW WEAVE. Opposites development. 34 nds.

PROFILE

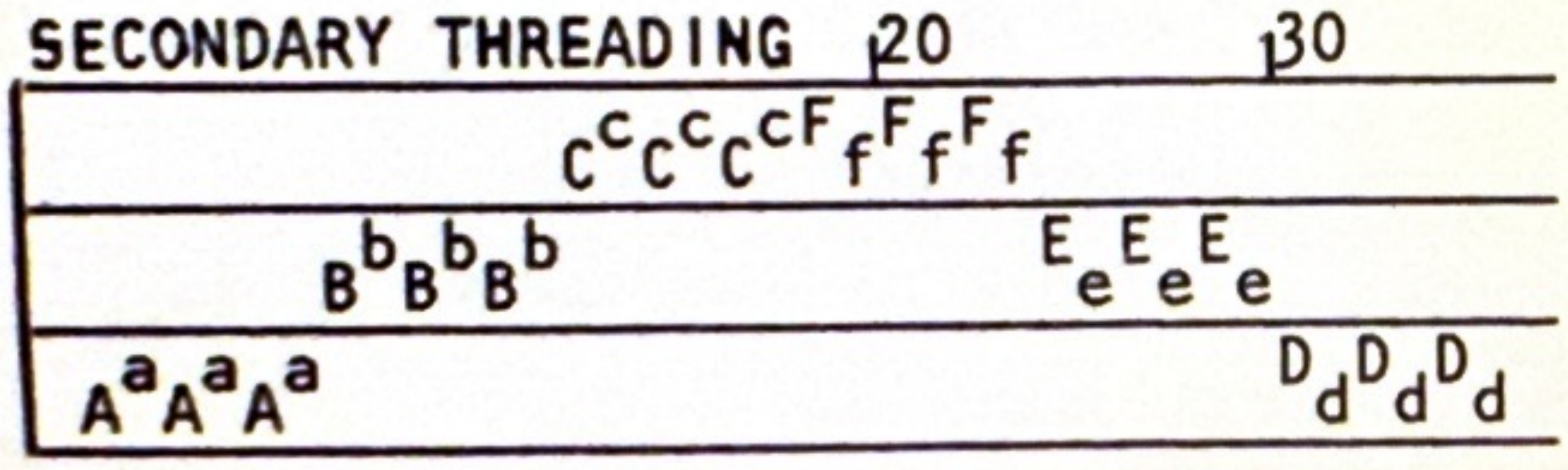

FFF EEE
CCC DDD
AAA BBB

THREADING


10
20
30
CcCcCcFfFfFfF
BbBbBb
eEeEeE
AaAaAa
dDdDdD

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
4.	12x3 34x3 56x3 21x3 43x3 65x3	AAA BBB CCC DDD EEE FFF
5.	21212 34x3 56x3 21x3 43x3 65x3 12121 56x3 34x3 12x3 65x3 43x3	AA BBB CCC DDD EEE FFF AAA FFF EEE DDD CCC BBB
6.	12x3 34x3 56565 43x3 21x3 21x3 43x3 65656 34x3 12x3	AAA BBB CCC BBB AAA DDD EEE FFF EEE DDD
7.	12x2 34x3 5656565 43x3 21x2 21x2 43x3 6565656 34x3 12x2	AA BBB CCCC BBB AA DD EEE FFFF EEE DD
8.	12x2 34x2 56x2 212 65x2 43x2 21x2 21x2 43x2 65x2 121 56x2 34x2 12x2	AA BB CC DD CC BB AA DD EE FF AA FF EE DD
9.	123456 2143412 654321 565	ABC DEED CBA F
10.	123456 214365 12345654321 563412 654321 562312 65432123456 214365	ABC DEF ABCCBA FED CBA FED CBABC DEF
11.	1234321 565	ABBA F--Rotation
12.	1234565432	ABCCB--Rotation

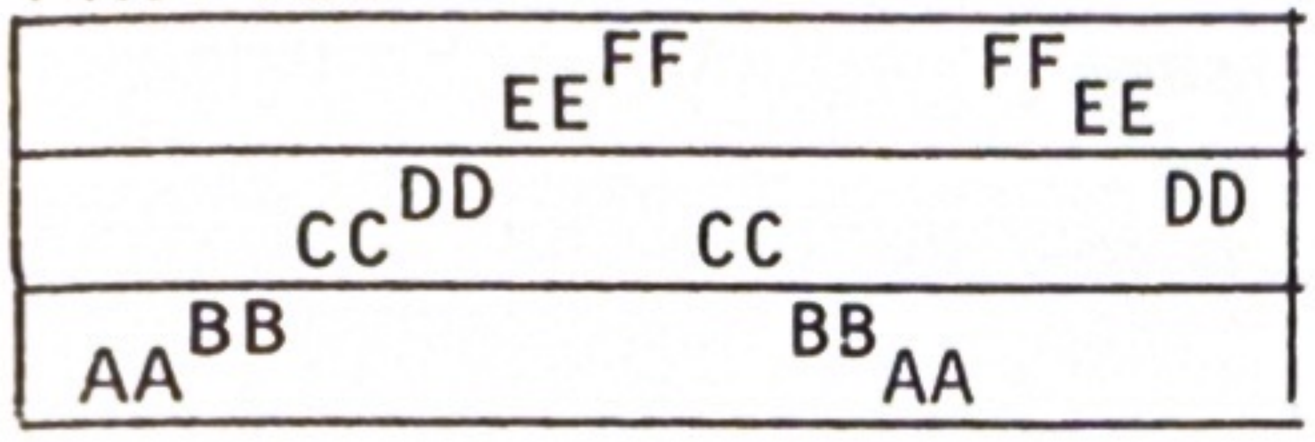
SECONDARY THREADING


20
30
cCcCcCcFfFfFf
BbBbBb
EeEeEe
AaAaAa
DdDdDd

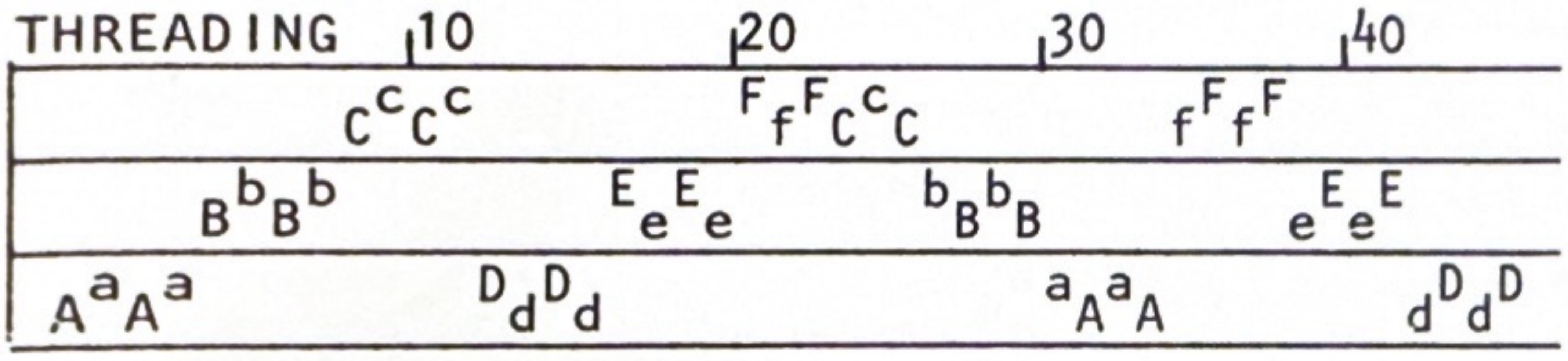
Secondary threading requires 36 nds., and eliminates dividing line. The treadling should follow threading.

6-16 SHADOW WEAVE. Opposites development. 46 nds.

PROFILE

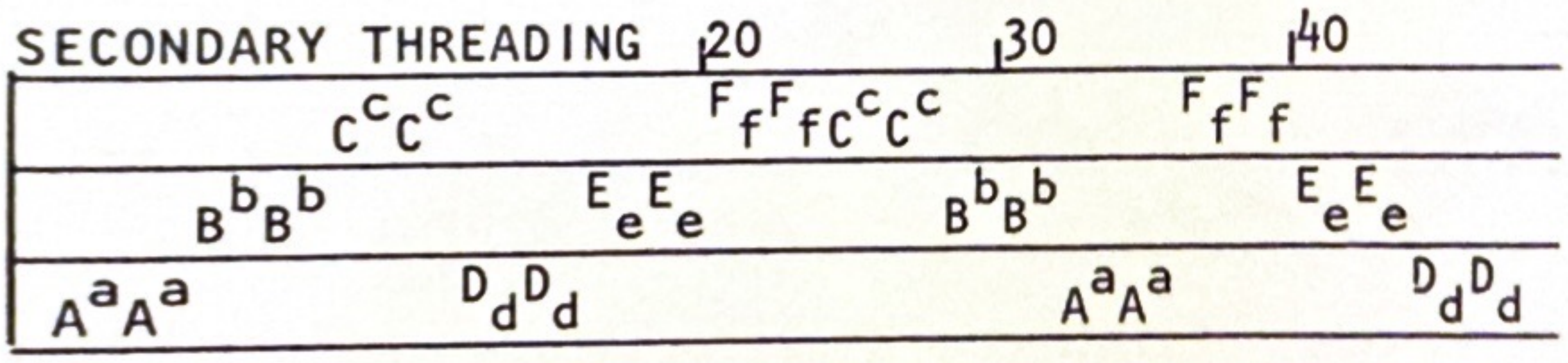

EE FF FF EE
CC DD CC DD
AA BB BB AA

THREADING


10
20
30
40
c c c c
F f F c c C
f F f F
B b B b
E e E e
b B b B
e E e E
A a A a
D d D d
a A a A
d D d D

TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 12x2 34x2 56x2 21x2 43x2 65x2	AA BB CC DD EE FF
3. 212 34x2 56x2 21x2 43x2 656 34x2 12x2 65x2 43x2	A BB CC DD EE FF EE DD CC BB
4. 12x2 34x2 56x2 212 121 56x2 34x2 12x2	AA BB CC DD AA FF EE DD
5. 12x2 34x2 56x2 21x2 43x2 65x2 121 21x2 56x2 34x2 12x2 65x2 43x2 212	AA BB CC DD EE FF AA DD CC BB AA FF EE DD
6. 1234 565 4321 2143 656 3412	AB CC BA DE FF ED
7. 12x2 34x2 565 43x2 21x2 21x2 43x2 656 34x2 12x2	AA BB CC BB AA DD EE FF EE DD
8. 212 34x2 565 43x2	A BB CC BB
9. 212 34x2 56x2 212 65x2 43x2	A BB CC DD CC BB
10. 12x2 34x2 56x2 21x2 43x2 656 34x2 12x2 65x2 43x2 21x2 56x2 343 65x2	AA BB CC DD EE FF EE DD CC BB AA FF E FF
11. 12x2 3456 21x2 43434 12x2 6543 21x2 56565	AA BC DD EEE DD CB AA FF
12. 12345621 43x2 65x2 12121 56x2 34x2 12654321 56x2 34x2 12121 43x2 65x2	ABCD EE FF AAA FF EE DCBA FF EE DD EE FF

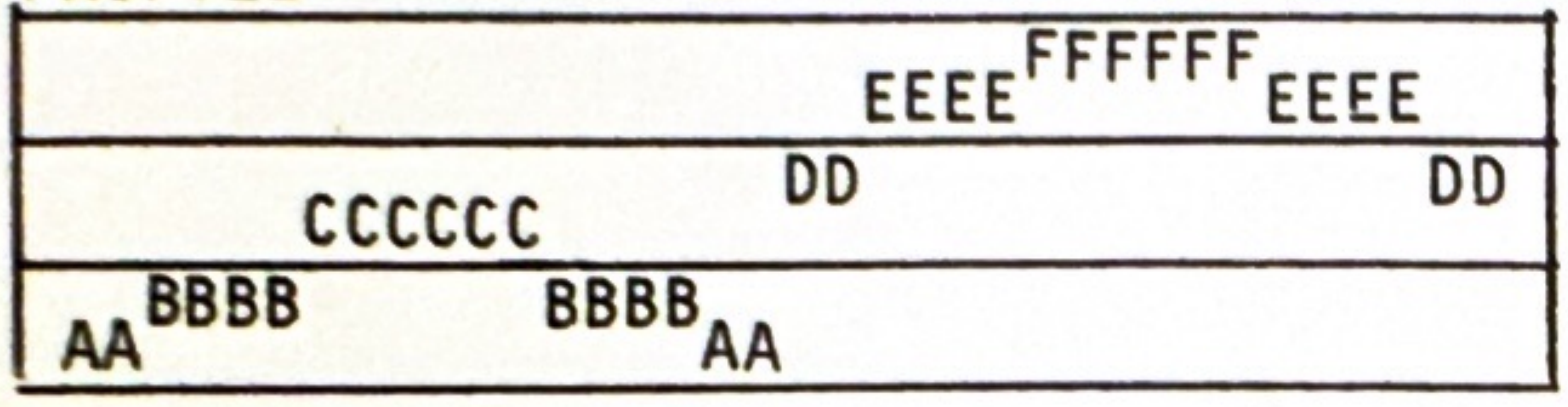
SECONDARY THREADING


20
30
40
c c c c
F f F f c c c c
F f F f
B b B b
E e E e
B b B b
E e E e
A a A a
D d D d
A a A a
D d D d

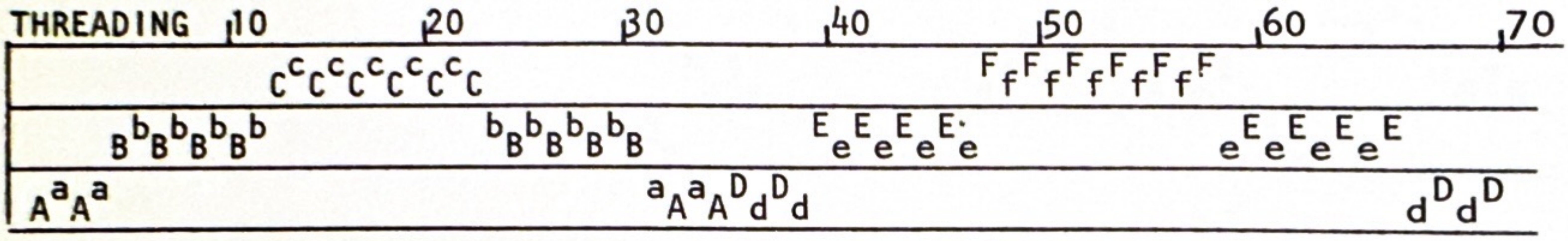
Secondary threading requires 48nds. Eliminates dividing line. Adjust treadling to threading.

6-17 SHADOW WEAVE. Opposites development. 70 nds.

PROFILE

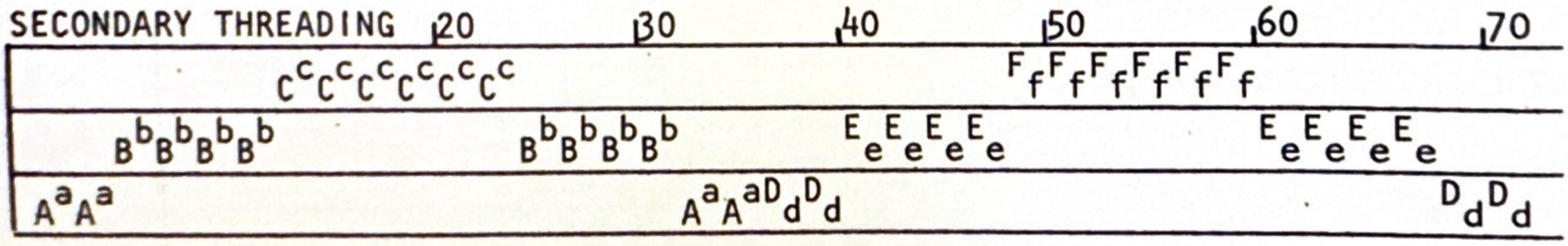


THREADING



TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF
3.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2$	ABC DE FF ED CB
4.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$	ABC DE FF CC BA FED
5.	$\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$	FF EDE FF CC BAB CC
6.	$\underline{6}5\underline{6}5\underline{6}5\underline{6}$ $3\underline{4}$x4 $1\underline{2}1\underline{2}1\underline{2}1\underline{2}1$ $\underline{4}3$x4 $\underline{6}5\underline{6}5\underline{6}5\underline{6}$ $\underline{5}6\underline{5}6\underline{5}6\underline{5}$ $4\underline{3}$x4 $2\underline{1}2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4$x4 $\underline{5}6\underline{5}6\underline{5}6\underline{5}$	FFFF EEEE DDDD EEEE FFFF CCCC BBBB AAAA BBBB CCCC
7.	$\underline{2}1\underline{2}1\underline{2}$ $6\underline{5}$x7 $4\underline{3}4\underline{3}4\underline{3}4$ $\underline{5}6$x4 $\underline{2}1\underline{2}1\underline{2}$ $\underline{1}2\underline{1}2\underline{1}$ $5\underline{6}$x7 $3\underline{4}3\underline{4}3\underline{4}3$ $\underline{6}5$x4 $\underline{1}2\underline{1}2\underline{1}$	DDD CCCCCCC BBB CCCC DDD AAA FFFFFFF EEE FFFF AAA
8.	$\underline{6}5\underline{6}5\underline{6}$ $3\underline{4}$x3 $1\underline{2}$x3 $6\underline{5}6\underline{5}6$ $\underline{2}1$x3 $\underline{4}3$x3 $\underline{6}5\underline{6}5\underline{6}$ $\underline{5}6\underline{5}6\underline{5}$ $4\underline{3}$x3 $2\underline{1}$x3 $5\underline{6}5\underline{6}5$ $\underline{1}2$x3 $\underline{3}4$x3 $\underline{5}6\underline{5}6\underline{5}$	FFF EEE DDD CC DDD EEE FFF CCC BBB AAA FF AAA BBB CCC
9.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5$	ABC DEF AA FED CBA FE D EF
10.	$\underline{6}5$x3 $\underline{4}3$x3 $\underline{2}1$x3 $\underline{1}2$x3 $\underline{3}4$x3 $\underline{5}6$x3	FFF EEE DDD AAA BBB CCC
11.	$\underline{6}5\underline{6}5\underline{6}5$ $\underline{4}3$x3 $\underline{2}1\underline{2}1\underline{2}$ $\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4$x3 $\underline{5}6\underline{5}6\underline{5}$	FFF EEE DDD AAA BBB CCC
12.	$\underline{1}2\underline{3}4\underline{3}2\underline{1}$ $6\underline{5}6$	ABBA C--Rotation

SECONDARY THREADING

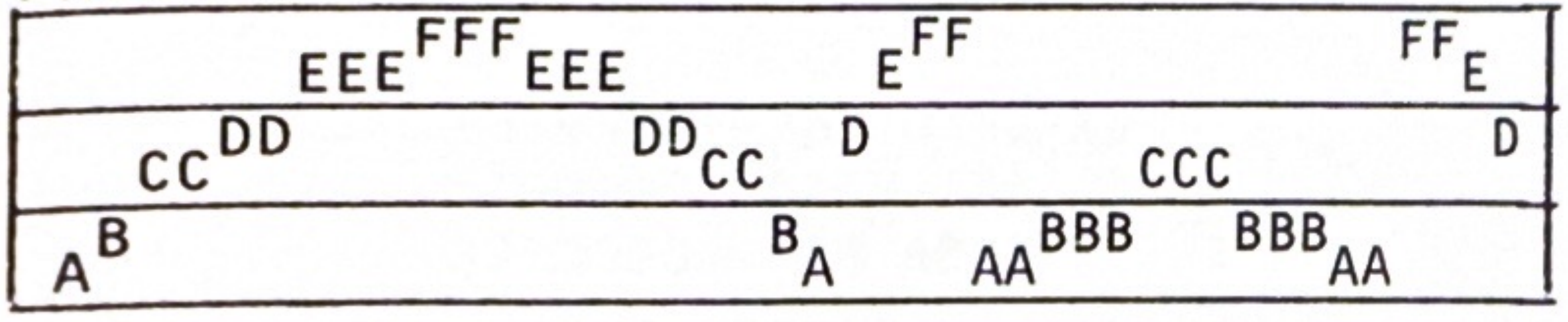


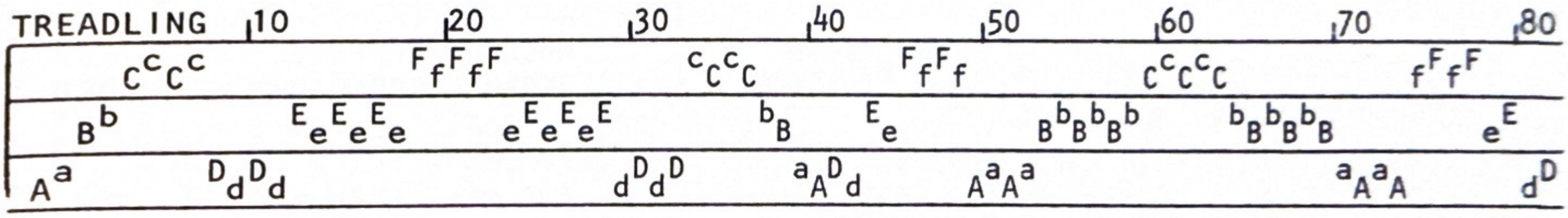
Secondary threading requires 72 nds. Eliminates dividing line. Adjust treadling to threading.

6-18 SHADOW WEAVE. Opposites development adapted from 6-14. 82 nds.

Thirty six treadlings are given. Many, many more are possible.

PROFILE


EEE FFF EEE E FF FF E
CC DD DD CC D CCC D
A B B A AA BBB BBB AA


TREADLING
10
20
30
40
50
60
70
80
c C c C F f F f F c C c C F f F f c C c C c f F f F
B b E e E e E e E e E e b B E e B b B b B b b B b B b B e E
A a D d D d d D d D a A D d A a A a a A a A d D

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12x2 34x2 56x2 21x2 43x2 65x2	AA BB CC DD EE FF
3.	12x2 34x2 56x2 21x2 43x2 656 34x2 12x2 65x2 43x2 21x2 21x2 43x2 65x2 12x2 34x2 565 43x2 21x2 65x2 43x2 21x2	AA BB CC DD EE FF EE DD CC BB AA DD EE FF AA BB CC BB AA FF EE DD
4.	656 34x2 12x2 65x2 43x2 212 34x2 56x2 21x2 43x2 656 565 43x2 21x2 56x2 34x2 121 43x2 65x2 12x2 34x2 565	FF EE DD CC BB A BB CC DD EE FF CC BB AA FF EE D EE FF AA BB CC
5.	65656 34x3 12x3 65x3 43434 56x3 21x3 43x3 65656 56565 43x2 21x4 56x3 34343 65x3 12x3 34x2 56565	FFF EEE DDD CCC BB CCC DDD EEE FFF CCC BBB AAA FFF EE FFF AAA BBB CCC
6.	65656 34x3 12121 43x3 65656 56565 43x3 21212 34x3 56565	FFF EEE DD EEE FFF CCC BBB AA BBB CCC
7.	65656 34x3 12x3 65656 21x2 43x3 65656 56565 43x3 21x3 56565 12x3 34x3 56565	FFF EEE DDD CC DDD EEE FFF CCC BBB AAA FF AAA BBB CCC
8.	656 3412 654321 5634126543 212 3456214365 123456 2143 656 565 4321 563412 6543215634 121 4365123456 214365 1234 565	FF ED CBA FEDCB A BCDEF ABC DE FF CC BA FED CBAFE D EFABC DEF AB CC
9.	656 3412 654321 56341265 434 56214365 123456 2143656 565 4321 563412 65432156 343 65123456 214365 1234565	FF ED CBA FEDC B CDEF ABC DEFF CC BA FED CBAF E FABC DEF ABCC

6-18 SHADOW WEAVE (2)

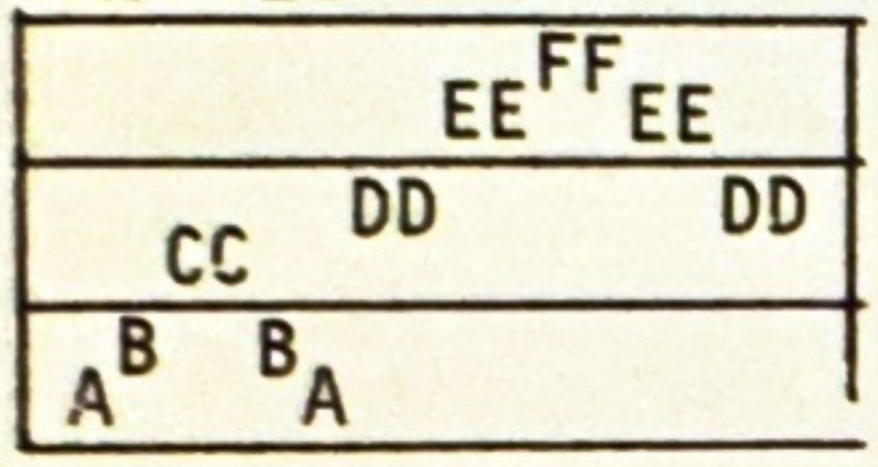
10.	6563412 654321 563412 65x5 43434	FFED CBA FED CCCCC BB
	56x5 214365 123456 2143656	CCCCC DEF ABC DEFF
	5654321 563412 654321 56x5 34343	CCBA FED CBA FFFFF EE
	65x5 123456 214365 1234565	FFFFF ABC DEF ABCC
11.	6563412 654321 56x5 34343	FFED CBA FFFFF EE
	65x5 123456 2143656	FFFFF ABC DEFF
	5654321 563412 65x5 43434	CCBA FED CCCCC BB
	56x5 214365 1234565	CCCCC DEF ABCC
12.	1234562143 65x6+6 3434343 65x4 123456	ABCDE FFFFFFF EEE FFFF ABC
	2143651234 56x6+5 4343434 56x4 214365	DEFAB CCCCCCC BBB CCCC DEF
13.	6563412 6543215634 1212121 4365	FFED CBA FE DD EF
	12345621436656 5654321 563412 6543	ABC DEFF CCBA FED CB
	2121212 3456 214365 1234565	AAA BC DEF ABCC
14.	65634 12x2 65x2 43x3 21212 34x3	FFF DD CC BBB AA BB
	56x2 21x2 43656 56543 21x2 56x2	CC DD EFF CCB AA FF
	34x3 12121 43x3 65x2 12x2 34565	EEE DD EEE FF AA BCC
15.	65656 34x2 12x2 65x2 4321234 56x2	FFF EE DD CC BAB CC
	21x2 43x2 65656 56565 32x2 21x2	DD EE FFF CCC BB AA
	56x2 3412143 65x2 12x2 34x2 56565	FF EDE FF AA BB CCC
16.	65656 34x3 12x3 65656 21x3 43x3 65656	FFF EEE DDD CC DDD EEE FFF
	56565 43x3 21x3 56565 12x3 34x3 56565	CCC BBB AAA FF AAA BBB CCC
17.	656 34x3 12x4 656565656 21x4 43x3 656	FF EEE DDDD CCCC DDDD EEE FF
	565 43x3 21x4 565656565 12x4 34x3 565	CC BBB AAAA FFFF AAAA BBB CC
18.	6 56x3 34x4 12x2 656 21x2 43x4 65x3 6	FFFF EEEE DD C DD EEEE FFFF
	5 65x3 43x4 21x2 565 12x2 34x4 56x3 5	CCCC BBBB AA F AA BBBB CCCC
19.	656 3412 65x2 43x2 21x2 565 12x2	FF ED CC BB AA F AA
	34x2 56x2 2143 656 565 4321 56x2	BB CC DE FF CC BA FF
	34x2 12x2 656 21x2 43x2 65x2 1234 565	EE DD C DD EE FF AB CC
20.	65656 34x2 12x2 654321 565 123456	FFF EE DD CBA F ABC
	21x2 43x2 65656 56565 43x2 21x2	DD EE FFF CC BB AA
	563412 656 214365 12x2 34x2 56565	FED C DEF AA BB CCC
21.	6 56x3 34x4 12121212121 43x4 65x3 6	FFFF EEEE DDDDD EEEE FFFF
	5 65x3 43x4 21212121212 34x4 56x3 5	CCCC BBBB AAAAA BBBB CCCC
22.	65656 34x3 1212121212121212121 43x3 65656	FFF EEE DDDDDDDDD EEE FFF
	56565 43x3 2121212121212121212 34x3 56565	CCC BBB AAAAAAAAA BBB CCC
23.	656565656 34x4 1212121 43x4 656565656	FFFFF EEEE DDD EEEE FFFFF
	565656565 43x4 2121212 34x4 565656565	CCCCC BBBB AAA BBBB CCCCC

6-18 SHADOW WEAVE. (3)

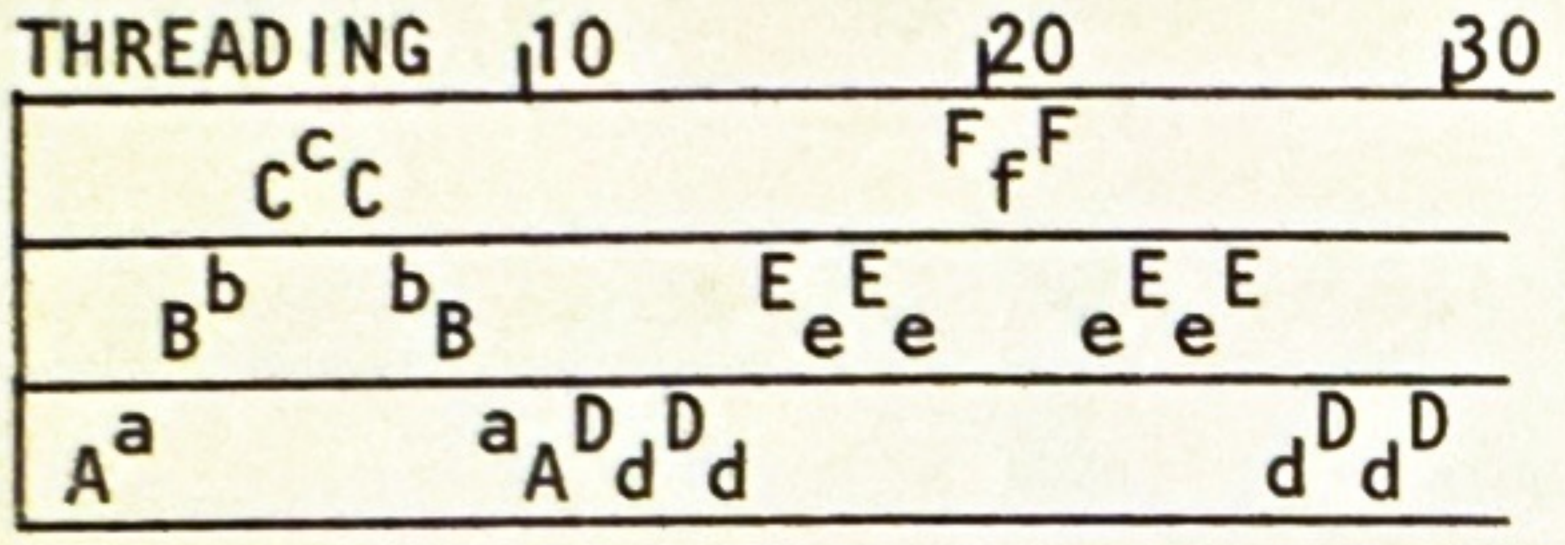
24.	12x3 34x3 56x3 21x3 434 12x3 65x3 43x3 21x3 21x3 43x4 65x3 12x3 343 21x3 56x2 34x3 12x3	AAA BBB CCC DDD EE DDD CCC BBB DDD EEE FFF AAA BB AAA FFF EEE DDD
25.	12x3 34x3 56565 43x3 21x3 21x3 43x3 65656 34x3 12x3	AAA BBB CCC BBB AAA DDD EEE FFF EEE DDD
26.	12x3 34x3 56x3 212 65x3 43x3 21x3 21x3 43x3 65x3 121 56x3 34x3 12x3	AAA BBB CCC DD CCC BBB AAA DDD EEE FFF AA FFF EEE DDD
27.	123456 214365 123456 2143412 654321 563412 654321 214365 123456 214365 1234321 563412 654321 563412	ABC DEF ABC DED CBA FED CBA DEF ABC DEF ABA FED CBA DEF
28.	123456 2143 65x2 12x2 34343 21x2 56x2 3412 654321 214365 1234 56x2 21x2 43434 12x2 65x2 4321 563412	ABC DE FF AA BBB AA FF ED CBA DEF AB CC DD EEE DD CC BA FED
29.	123456 214365 12 34x3 56565 43x2 21 563412 654321 214365 123456 21 43x2 65656 34x2 12 654321 563412	ABC DEF A BB CCC BB A FED CBA DEF ABC D EE FFF EE D CBA FED
30.	123456 214365 123456 21212 654321 563412 654321 214365 123456 214365 12121 563412 654321 563412	ABC DEF ABC DDD CBA FED CBA DEF ABC DEF AAA FED CBA FED
31.	12x3 34x3 56x2 2143 656 3412 65x2 43x3 21x3 21x3 43x3 65x2 1234 565 4321 56x2 34x3 12x3	AAA BBB CC DE FF ED CC BBB AAA DDD EEE FF AB CC BA FF EEE DDD
32.	12x3 34x3 56x2 21x2 434 12x2 65x2 43x3 21x3 21x3 43x3 65x2 12x2 343 21x2 56x2 34x3 12x2	AAA BBB CC DD E DD CC BBB AAA DDD EEE FF AA B AA FF EEE DDD
33.	12x3 34x2 56x2 214365 121 563412 65x2 43x2 21x3 21x3 43x2 65x2 123456 212 654321 56x2 34x2 12x3	AAA BB CC DEF A FED CC BB AAA DDD EE FF ABC D CBA FF EE DDD
34.	123456 21 43x2 65x3 12121 56x3 34x2 12 654321 214365 12 34x2 56x3 21212 65x3 43x2 21 563412	ABC D EE FFF AAA FFF EE D CBA DEF A BB CCC DDD CCC BB A FED
35.	12x5 34x4 56565 43x4 21x5 21x5 43x4 65656 34x4 12x5	AAAAA BBBB CCC BBBB AAAAA CCCCC DDDD EEE DDDD CCCCC
36.	1234 56x2 21x2 43x3 65x3	AB CC DD EEE FFF

6-19 SHADOW WEAVE. Opposites development. 30 nds.

PROFILE



THREADING

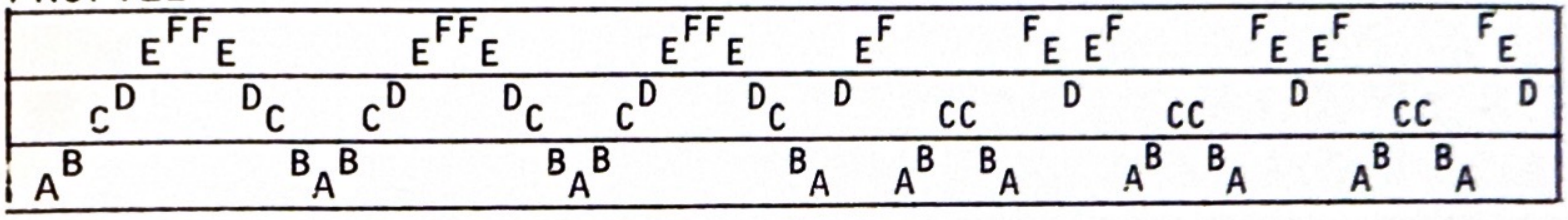


	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF
3.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3$ $\underline{6}5\underline{6}$ $3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}$ 2	ABC DE FF ED CB
4.	$\underline{1}2$x2 $\underline{3}4$x2 $\underline{5}6$x2 $\underline{2}1$x2 $\underline{4}3\underline{4}$ $1\underline{2}$x2 $6\underline{5}$x2 $4\underline{3}$x2 $2\underline{1}$x2 $5\underline{6}5$	AA BB CC DD EE DD CC BB AA F
5.	$\underline{6}5\underline{6}$ $3\underline{4}$ $1\underline{2}1$ $\underline{4}3$ $\underline{6}5\underline{6}$ $\underline{5}6\underline{5}$ $4\underline{3}$ $2\underline{1}2$ $\underline{3}4$ $\underline{5}6\underline{5}$	FF EDE FF CC BAB CC
6.	$\underline{3}4\underline{3}$ $2\underline{1}$ $5\underline{6}3\underline{4}3\underline{6}5$ $\underline{1}2$ $\underline{3}4\underline{3}$ $\underline{4}3\underline{4}$ $1\underline{2}$ $6\underline{5}4\underline{3}4\underline{5}6$ $\underline{2}1$ $\underline{4}3\underline{4}$	BB A FEF A BB EE D CBC D EE
7.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{3}21$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF ABBA FED CBA FED C DEF
8.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{2}1\underline{2}$ $6\underline{5}4\underline{3}2\underline{1}$ $5\underline{6}3\underline{4}1\underline{2}$ $6\underline{5}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{5}6$ $\underline{2}1\underline{4}3\underline{6}5$	ABC DEF ABC DD CBA FED CB A BC DEF
9.	$\underline{1}2$x2 $\underline{3}4\underline{5}6$ $\underline{2}1$x2 $\underline{4}3\underline{4}3\underline{4}$ $1\underline{2}$x2 $6\underline{5}4\underline{3}$ $2\underline{1}$x2 $5\underline{6}5\underline{6}5$	AA BC DD EEE DD CB AA FF
10.	$2\underline{1}$x2 $5\underline{6}5\underline{6}5$ $\underline{1}2$x2 $\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}$	AA FF AA B CC B
11.	$\underline{6}5$x2 $\underline{4}3$x2 $\underline{2}1\underline{2}$ $3\underline{4}$x2 $5\underline{6}$x2 $\underline{5}6\underline{3}4$ $\underline{1}2\underline{1}$ $4\underline{3}6\underline{5}$	FF EE DD EE FF C B AA B C
12.	$\underline{6}5\underline{6}$ $3\underline{4}$x2 $1\underline{2}1$ $\underline{4}3$x2 $\underline{6}5\underline{6}$ $5\underline{4}3$ $\underline{2}1\underline{2}$ $3\underline{4}5$	FF EE D EE FF CB A BC

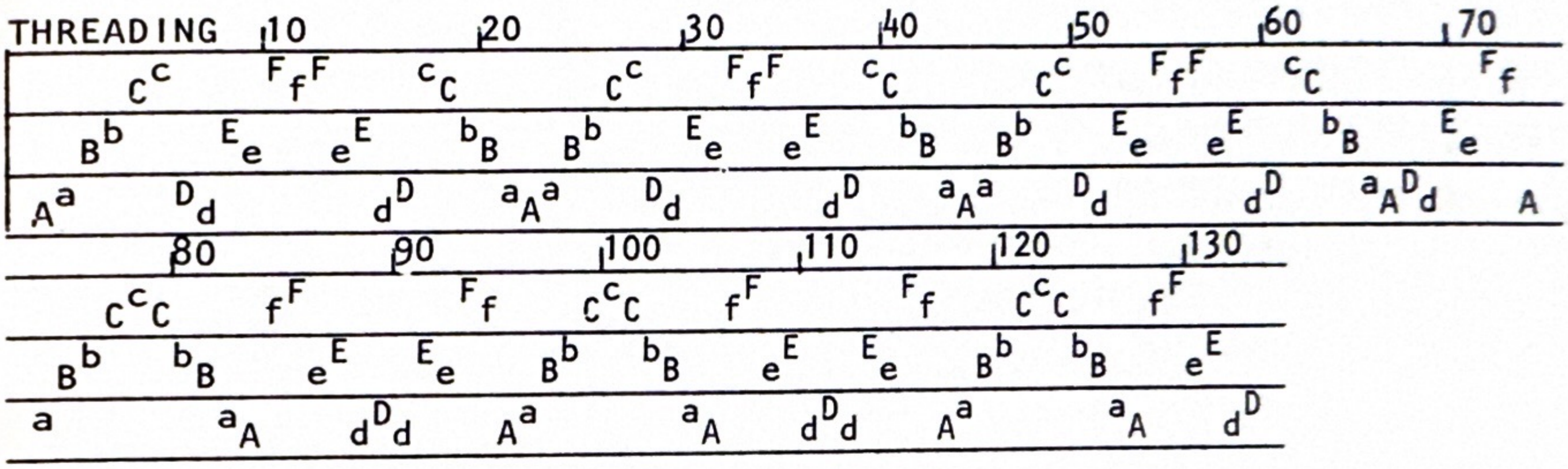
See eight shaft threading #26

6-20 SHADOW WEAVE. Opposites development. 134 nds.

PROFILE

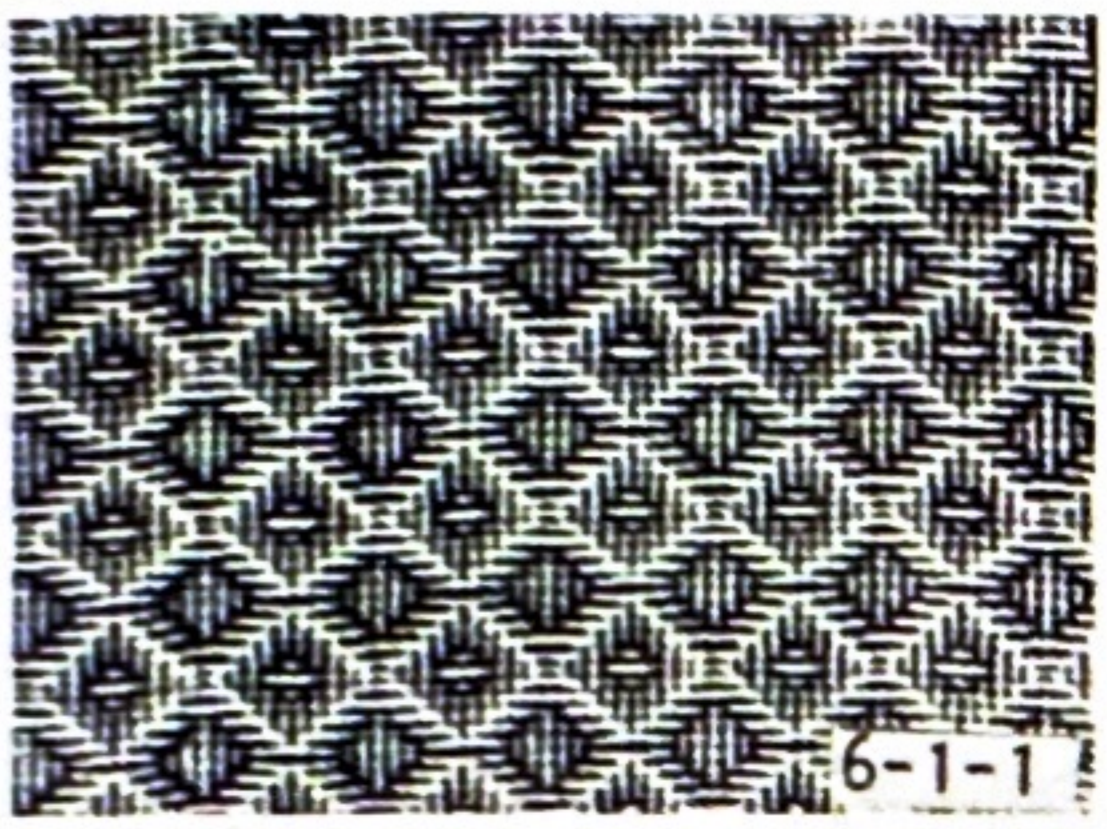


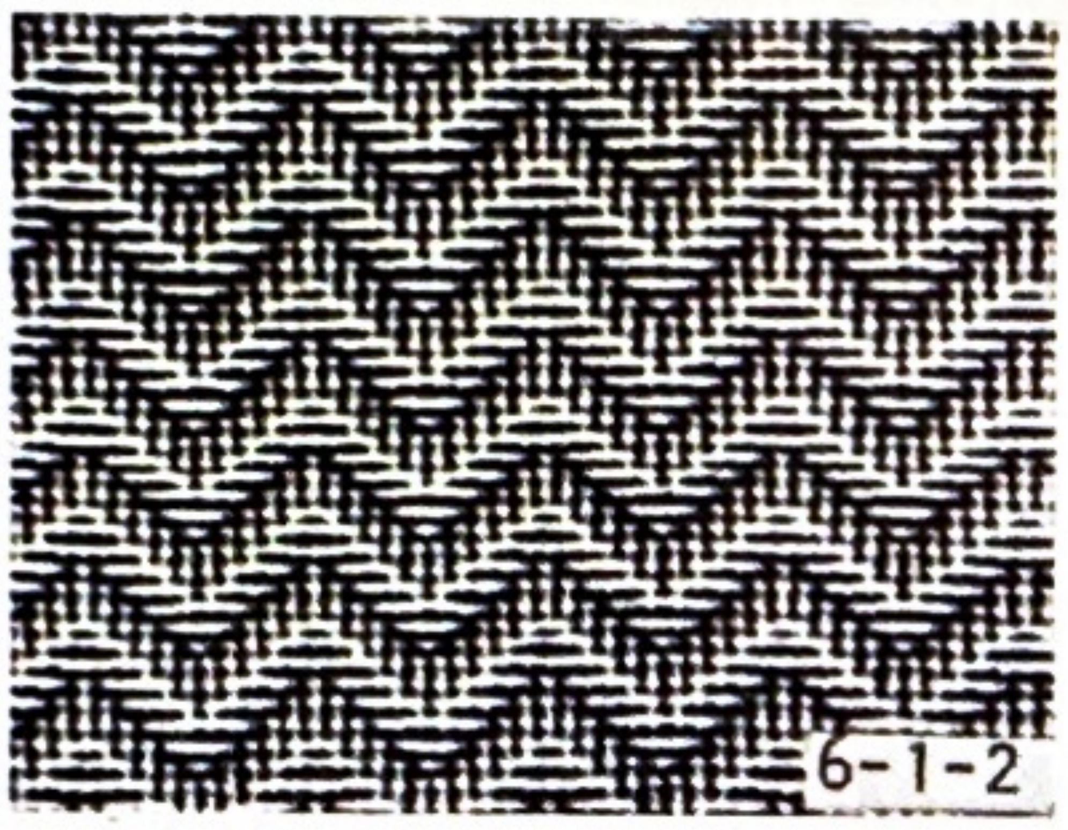
THREADING

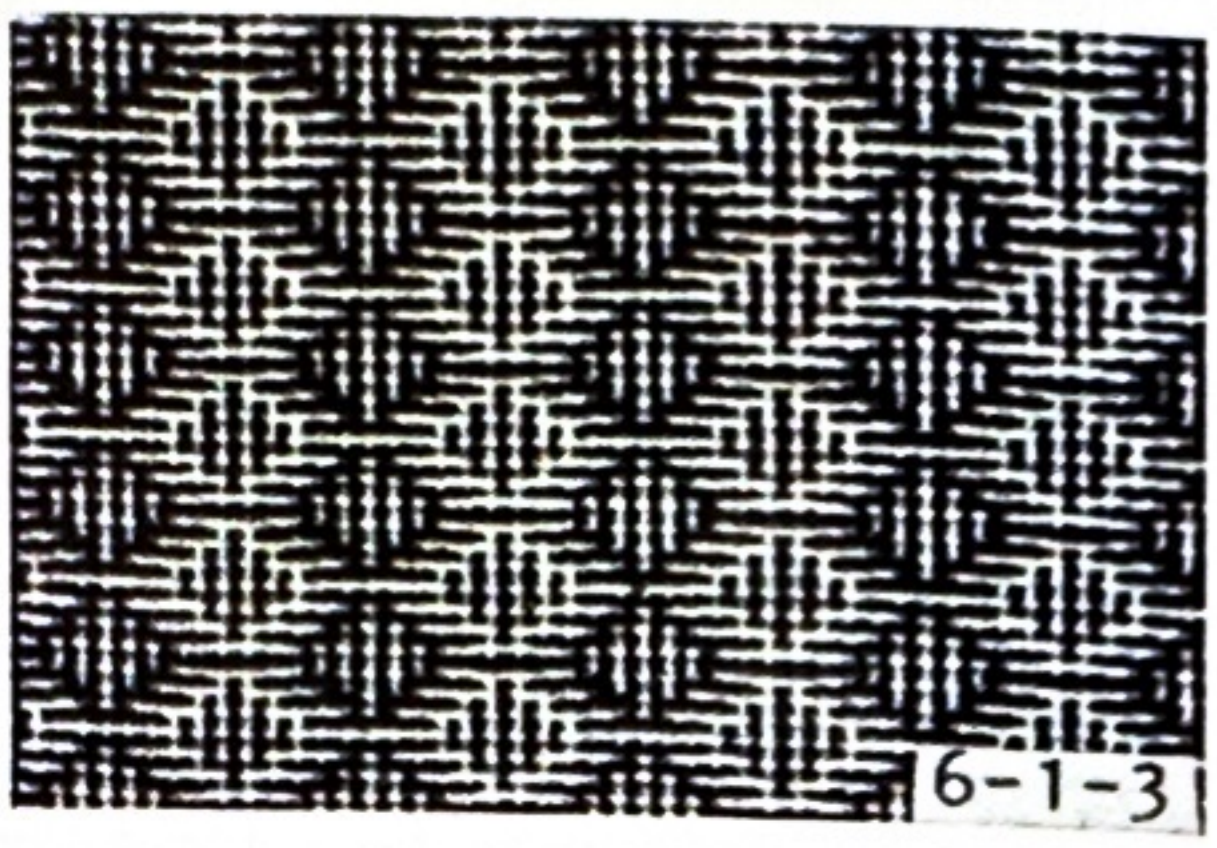


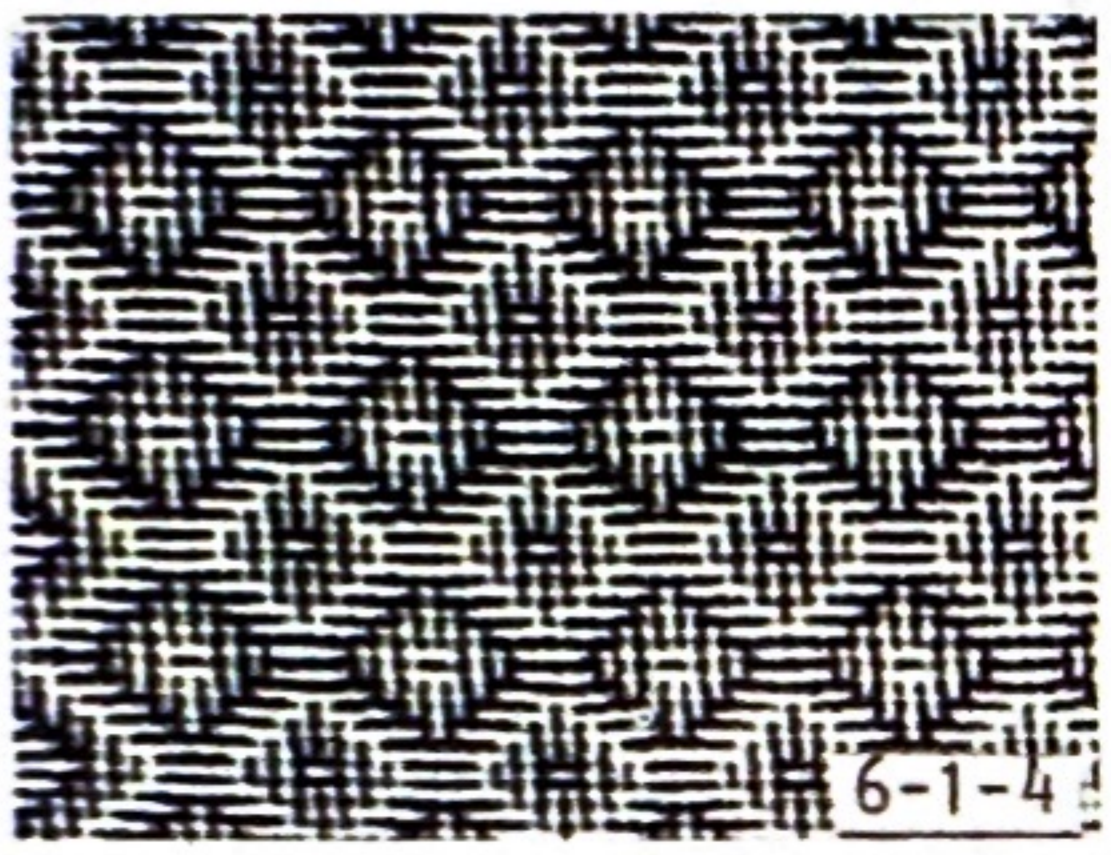
1.	Tromp as writ.	Same as threading.
2.	123456 214365	ABC DEF
3.	123456 2143 656 3412 6543 2	ABC DE FF ED CB
4.	123456 2143 656 3412 654321 214365 1234 565 4321 563412	ABC DE FF ED CBA DEF AB CC BA FED
5.	123456 212 65432 (x6) or to square. 214365 121 56341 (x6) or to square.	ABC D CBA (x6) or to square DEF AA FED(x6) or to square
6.	123456 212 654321 214365 121 563412	ABC DD CBA DEF AA FED
7.	123456 2143 656 3412 654321 5634365	ABC DE FF ED CBA FEF
8.	123456 2143 656 3412 654321 214365 1234 565 4321 563412	ABC DE FF ED CBA DEF AB CC BA FED
9.	656 3412 654321 563412 6543456 214365 123456 2143	FF ED CBA FED CBC DEF ABC DE
10.	12x2 3456 21x2 43x2 65656 34x2 12x2 6543 21x2 56x2 34343 65x2	AA BC DD EE FFF EE DD CB AA FF EE FF
11.	12x2 3456 21x2 43x2 65656 34x2 12x2 6543 21x2 21x2 4365 12x2 34x2 56565 43x2 21x2 5634 12x2	AA BC DD EE FFF EE DD BC AA DD EF AA BB CCC BB AA FE DD

Six Harness Pictures


6-1-1


6-1-2


6-1-3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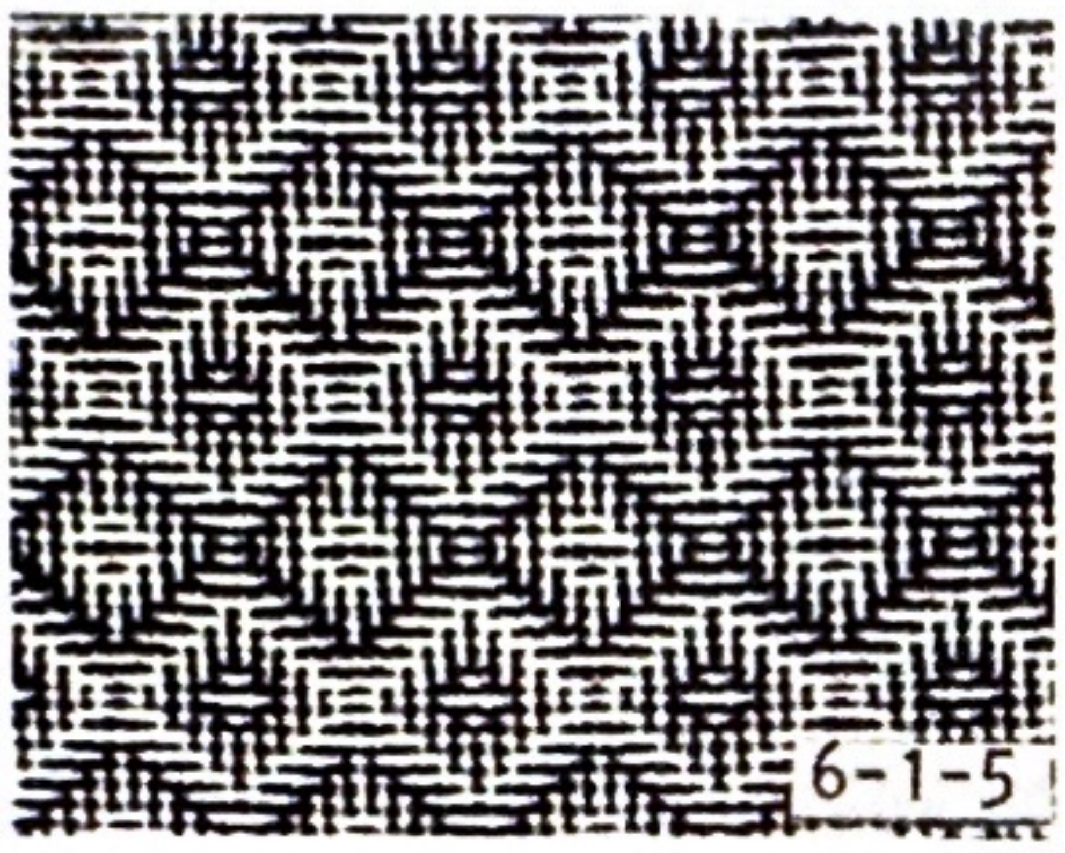
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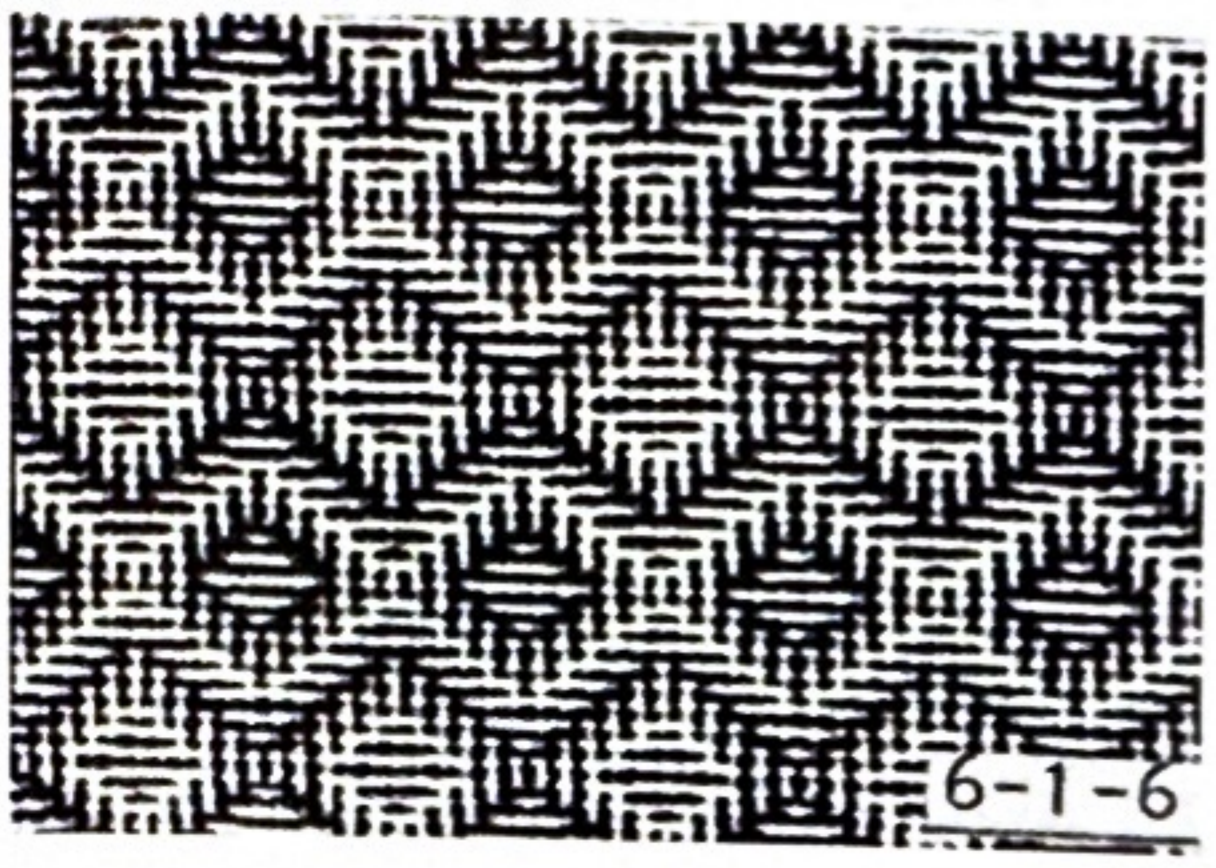
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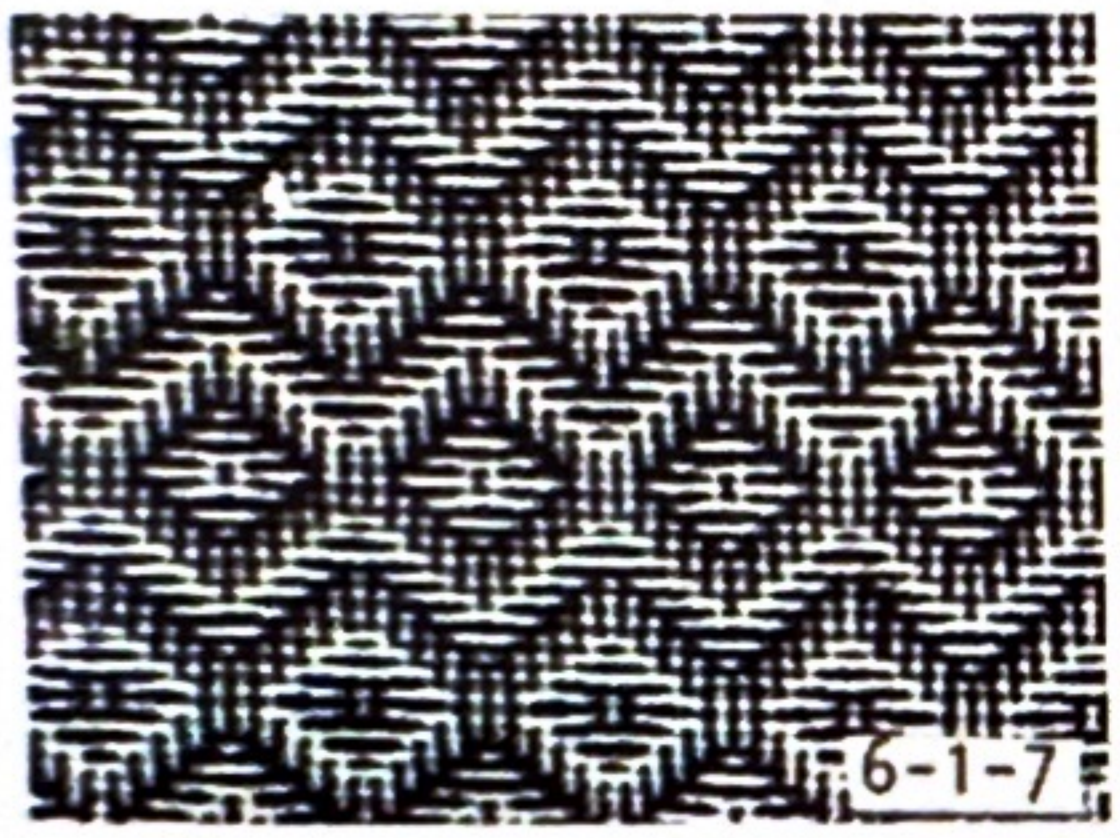
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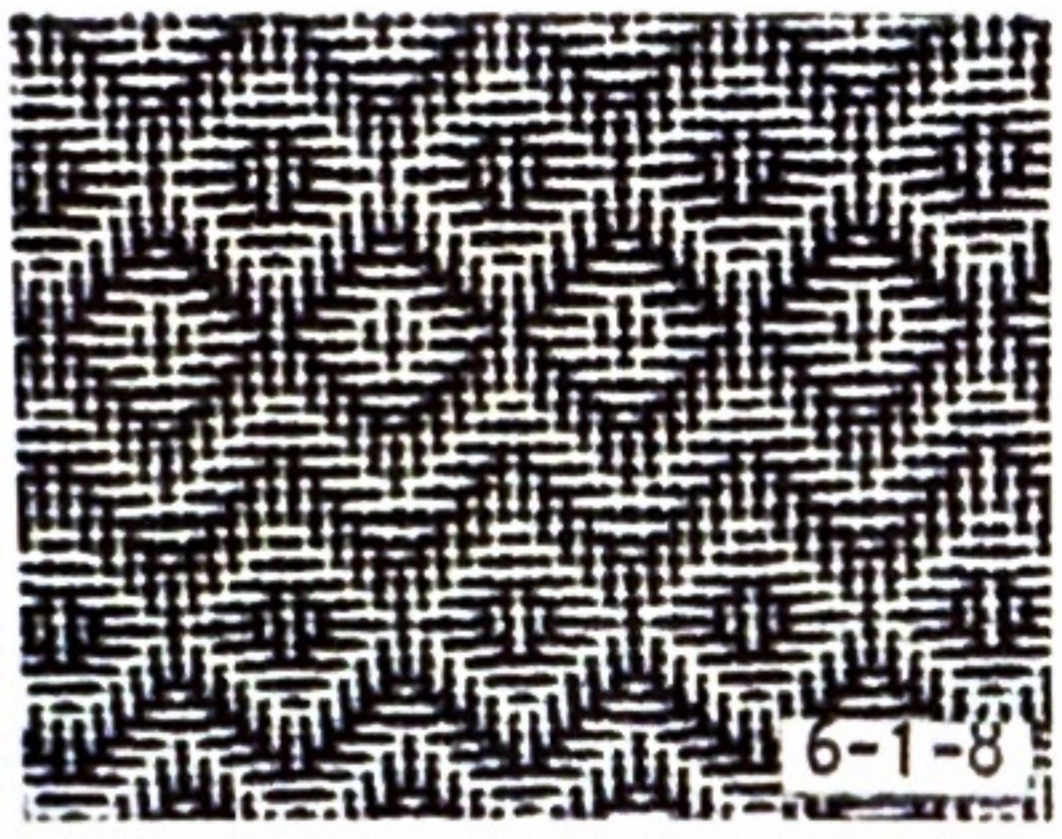
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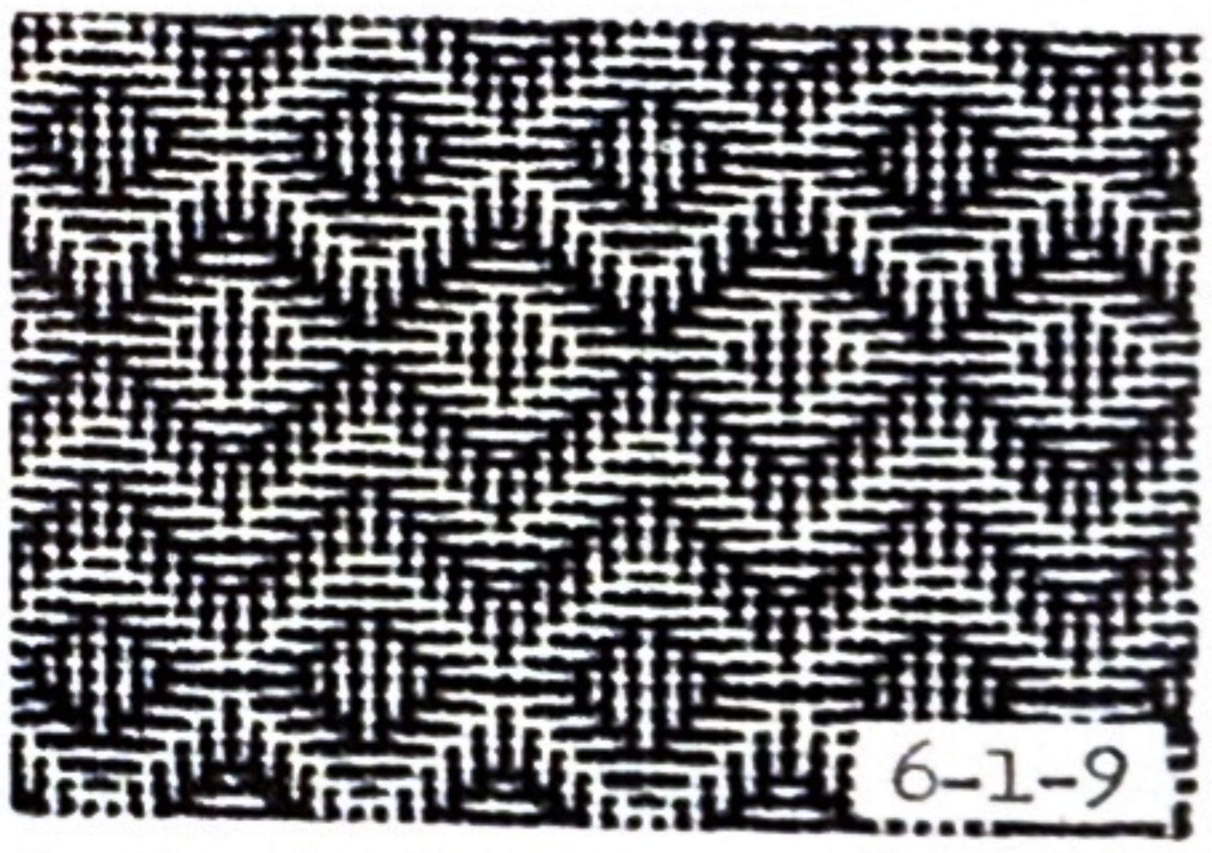
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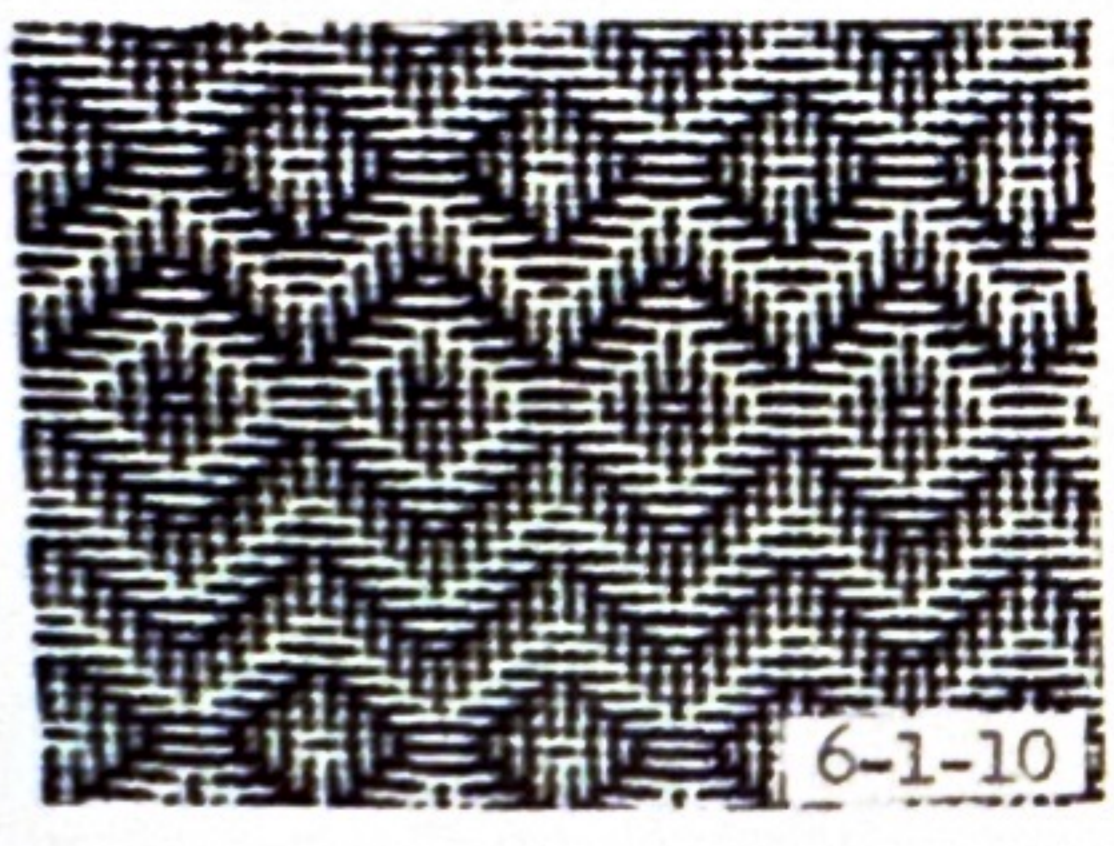
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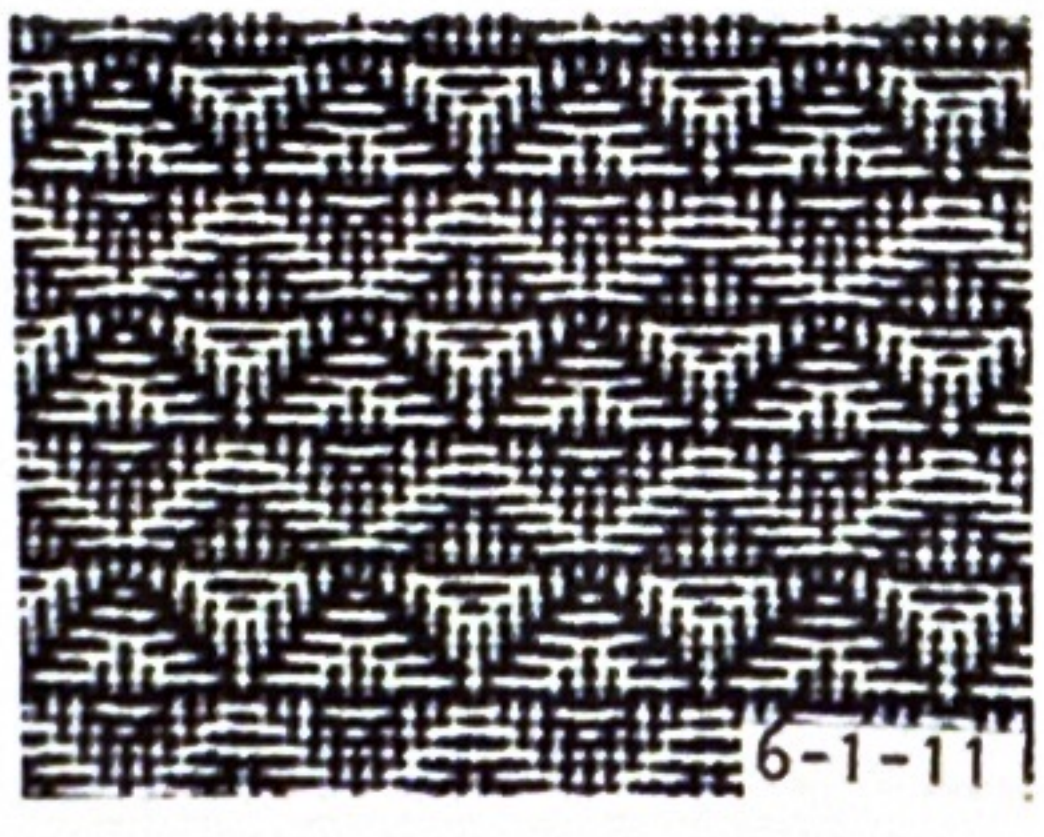
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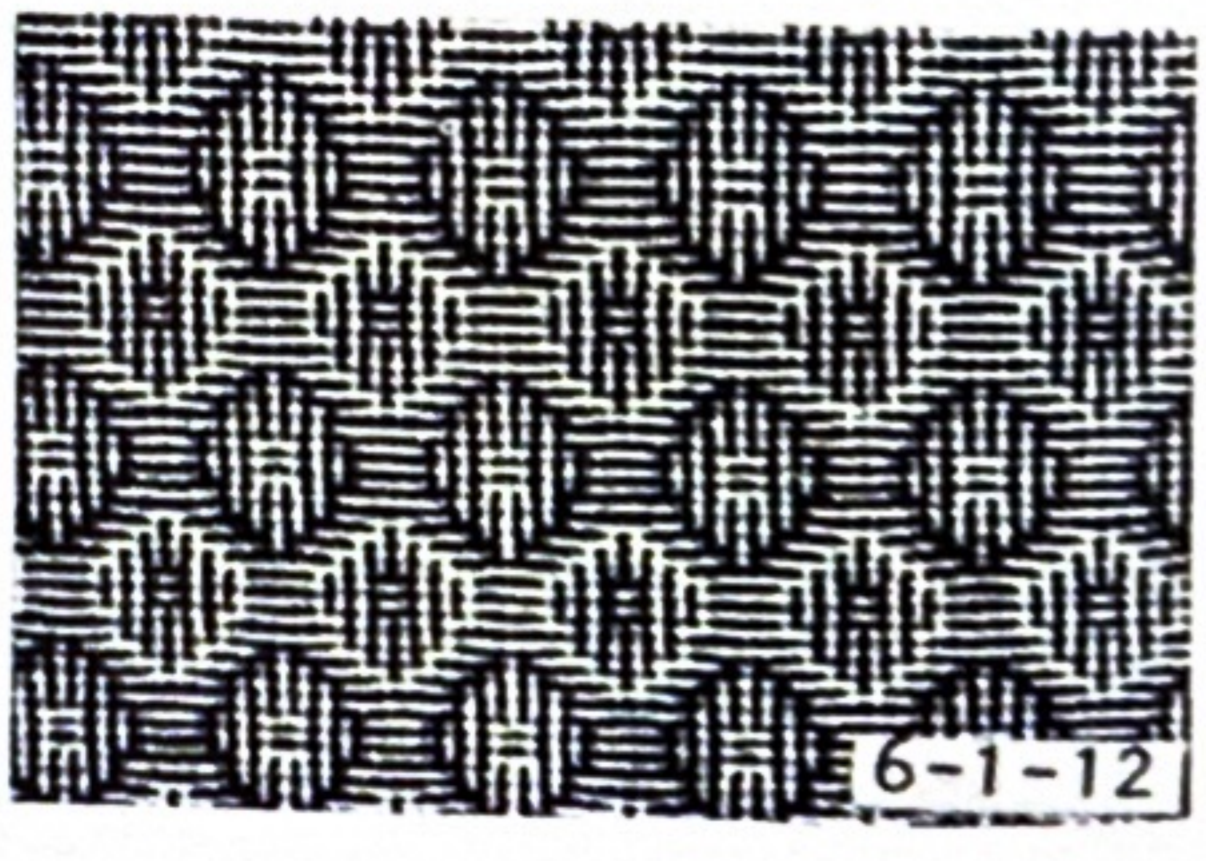
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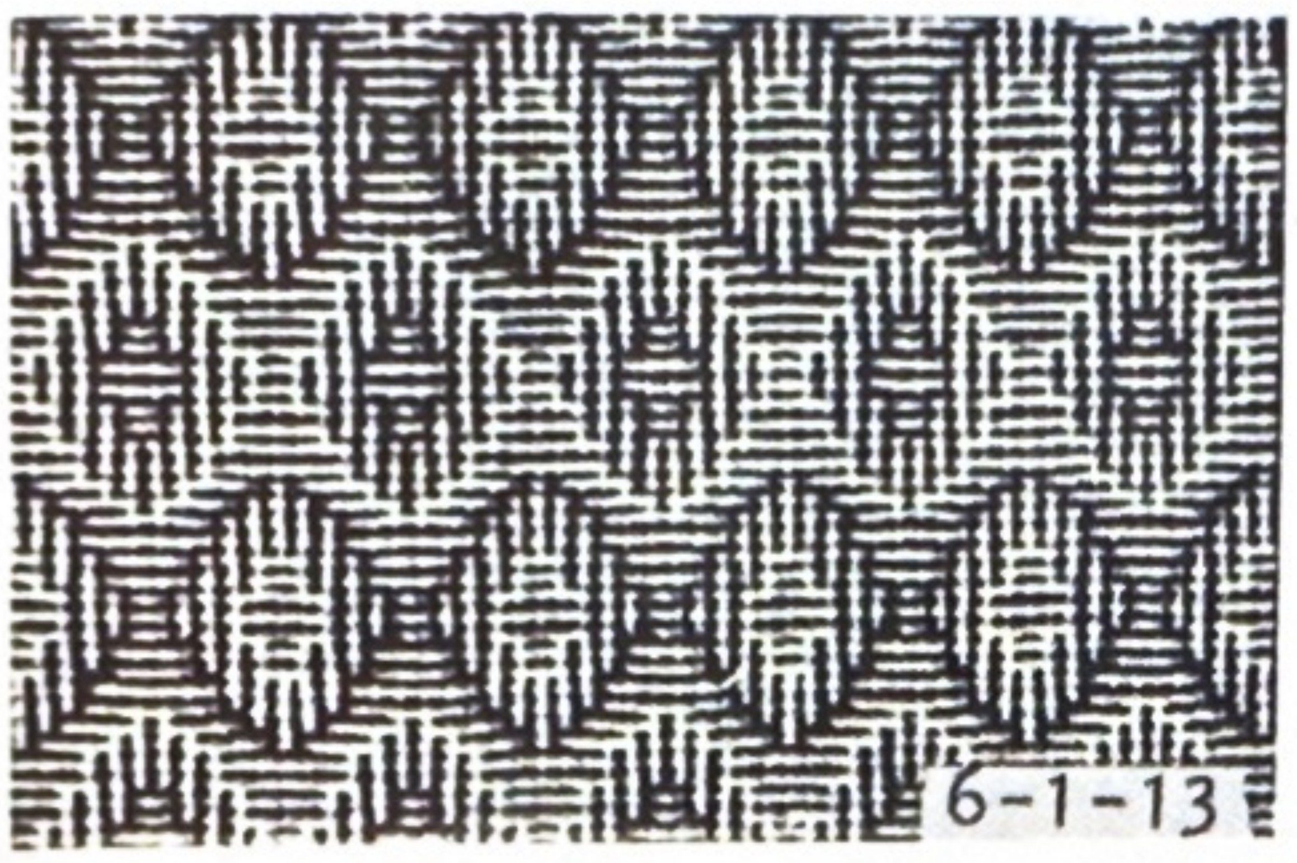
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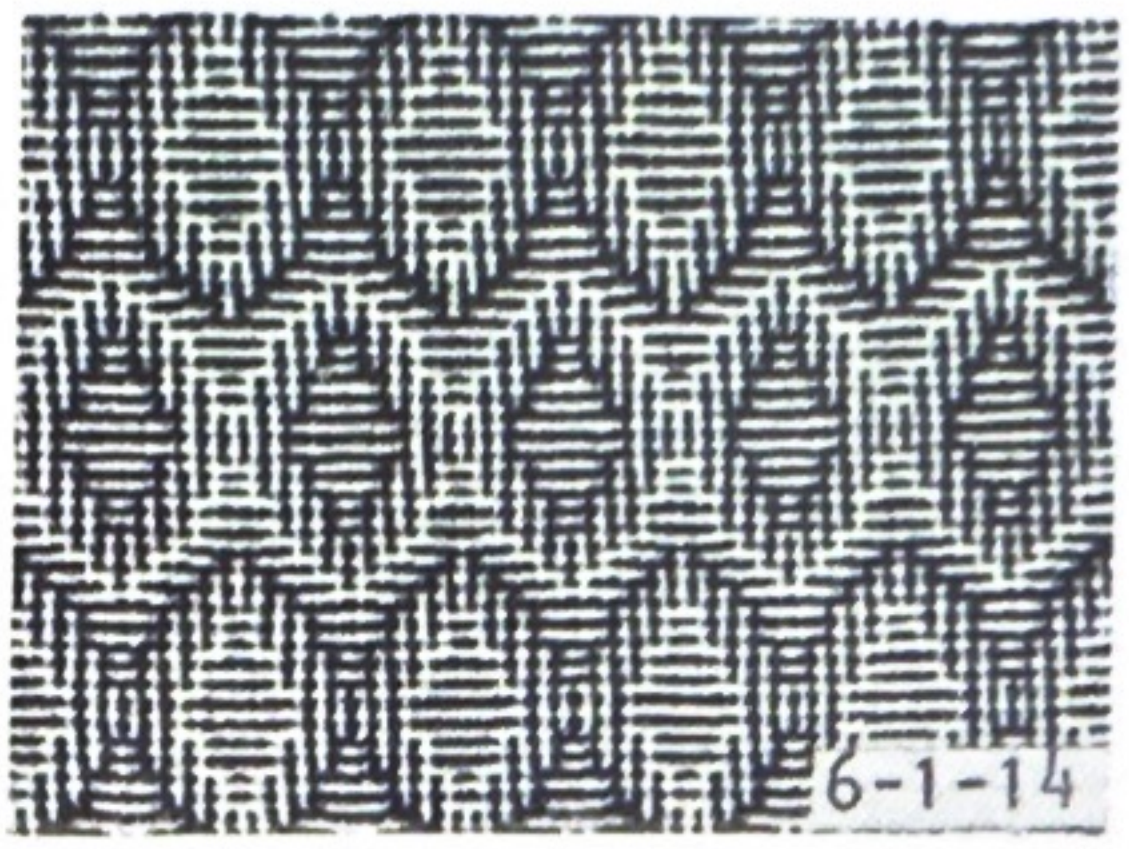
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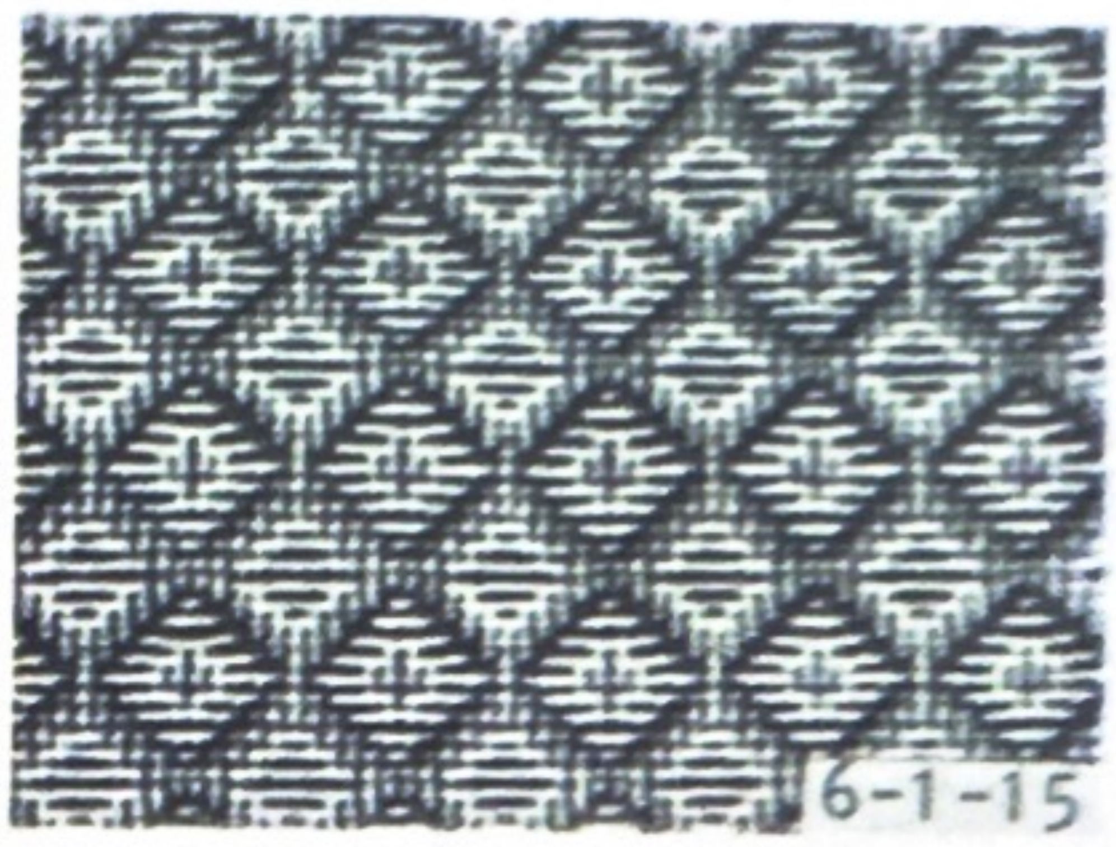
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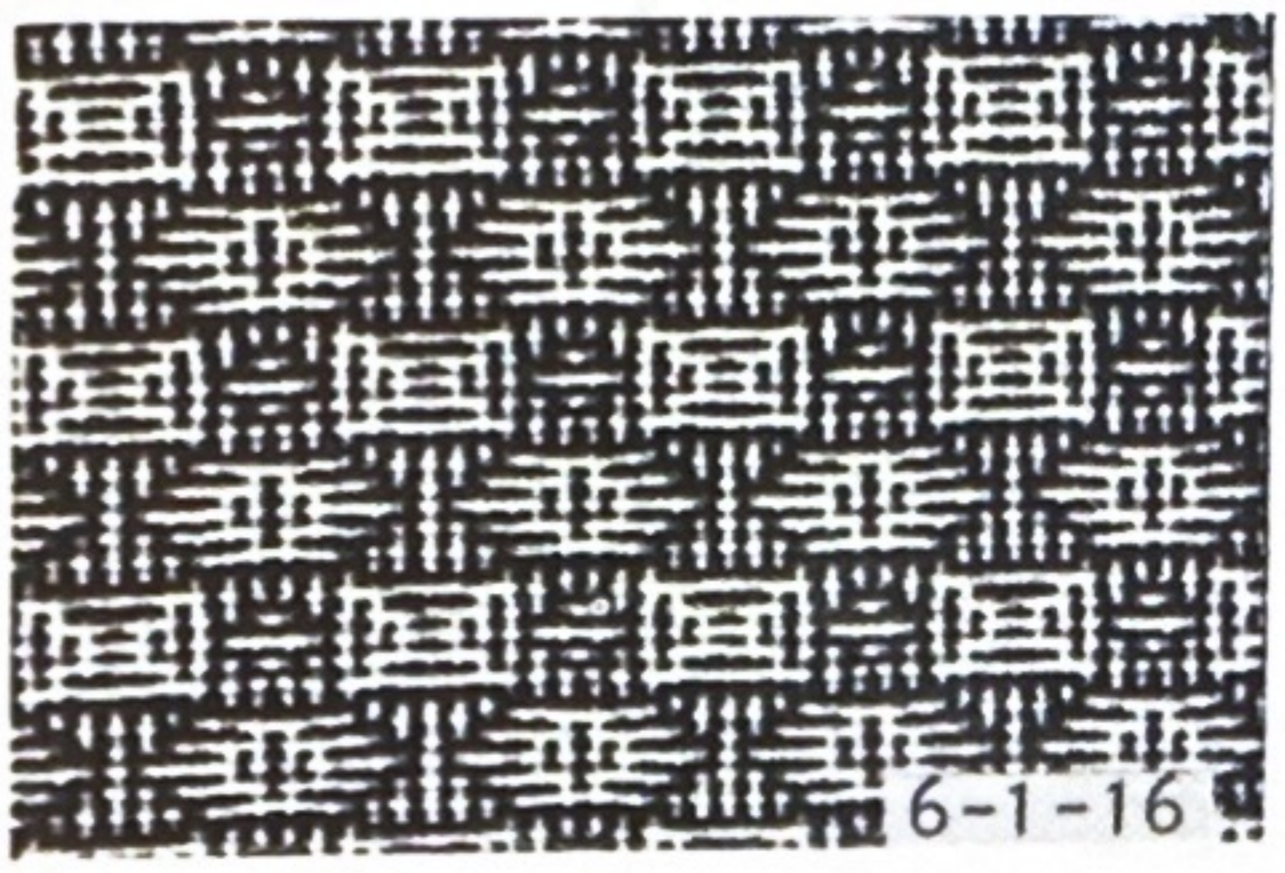
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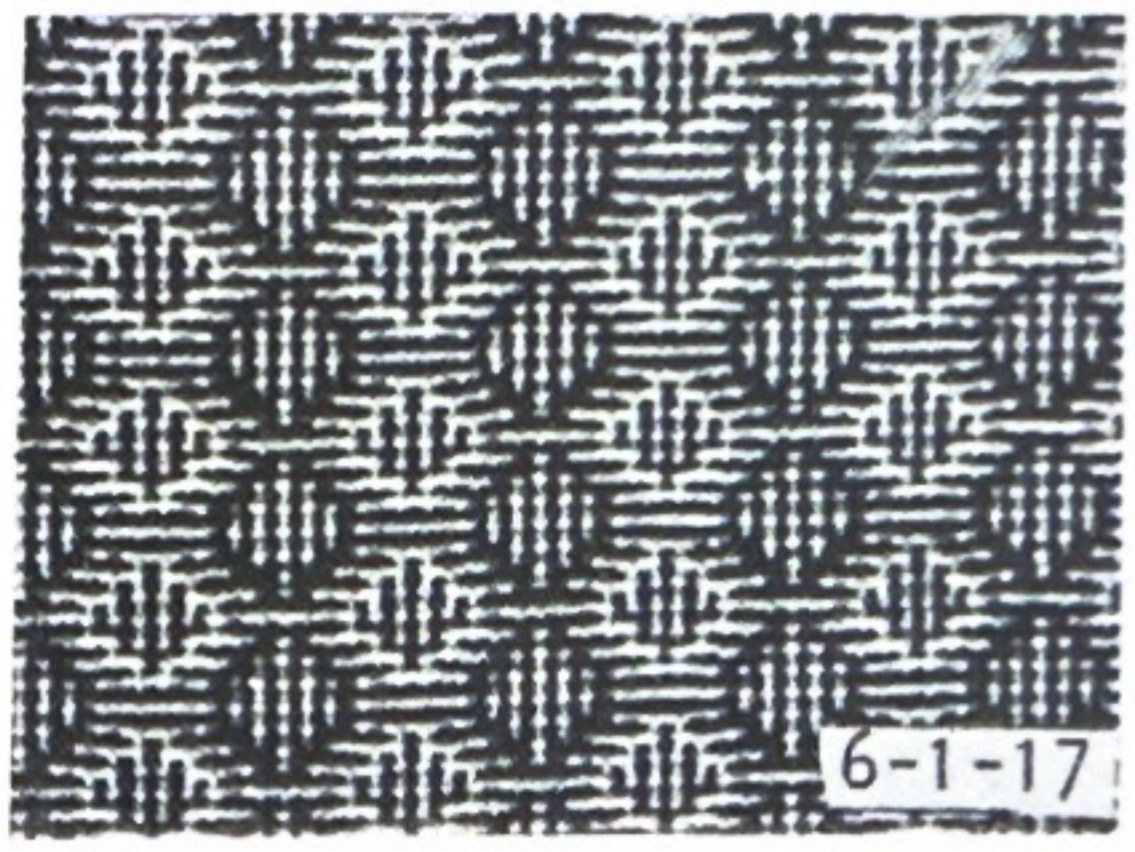
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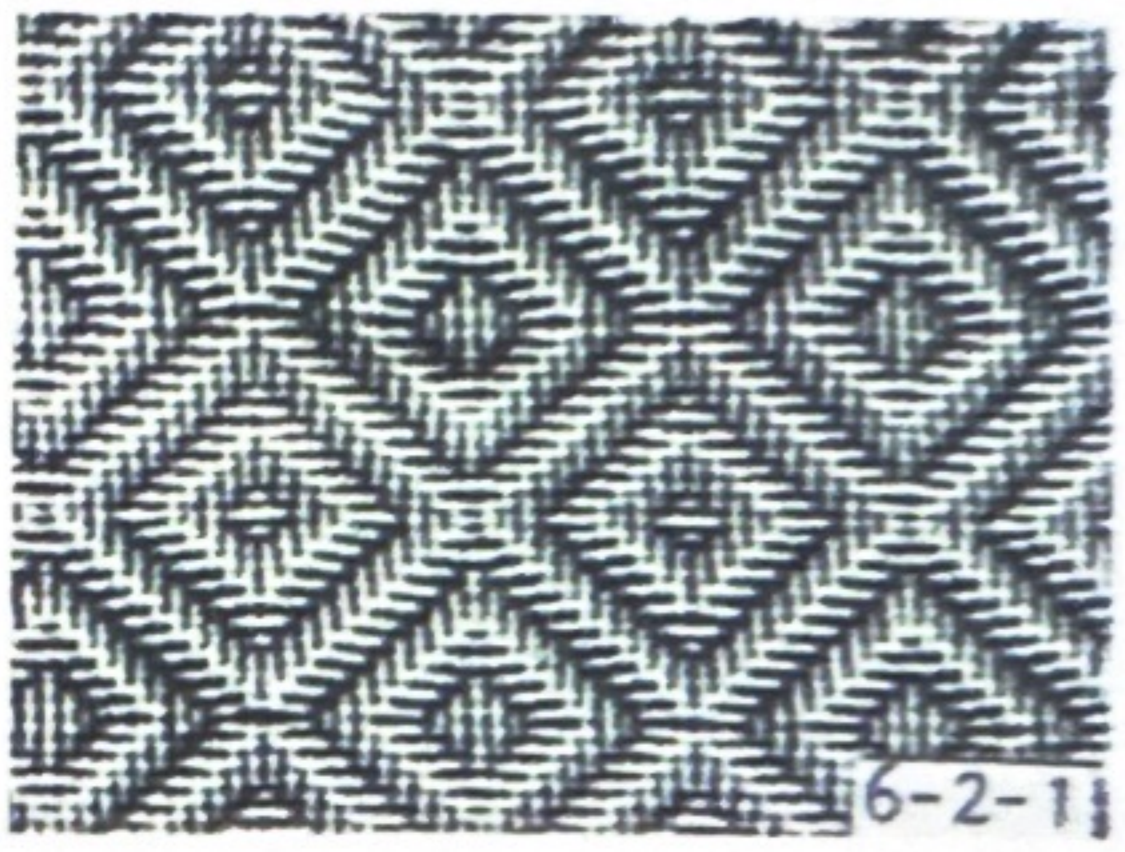
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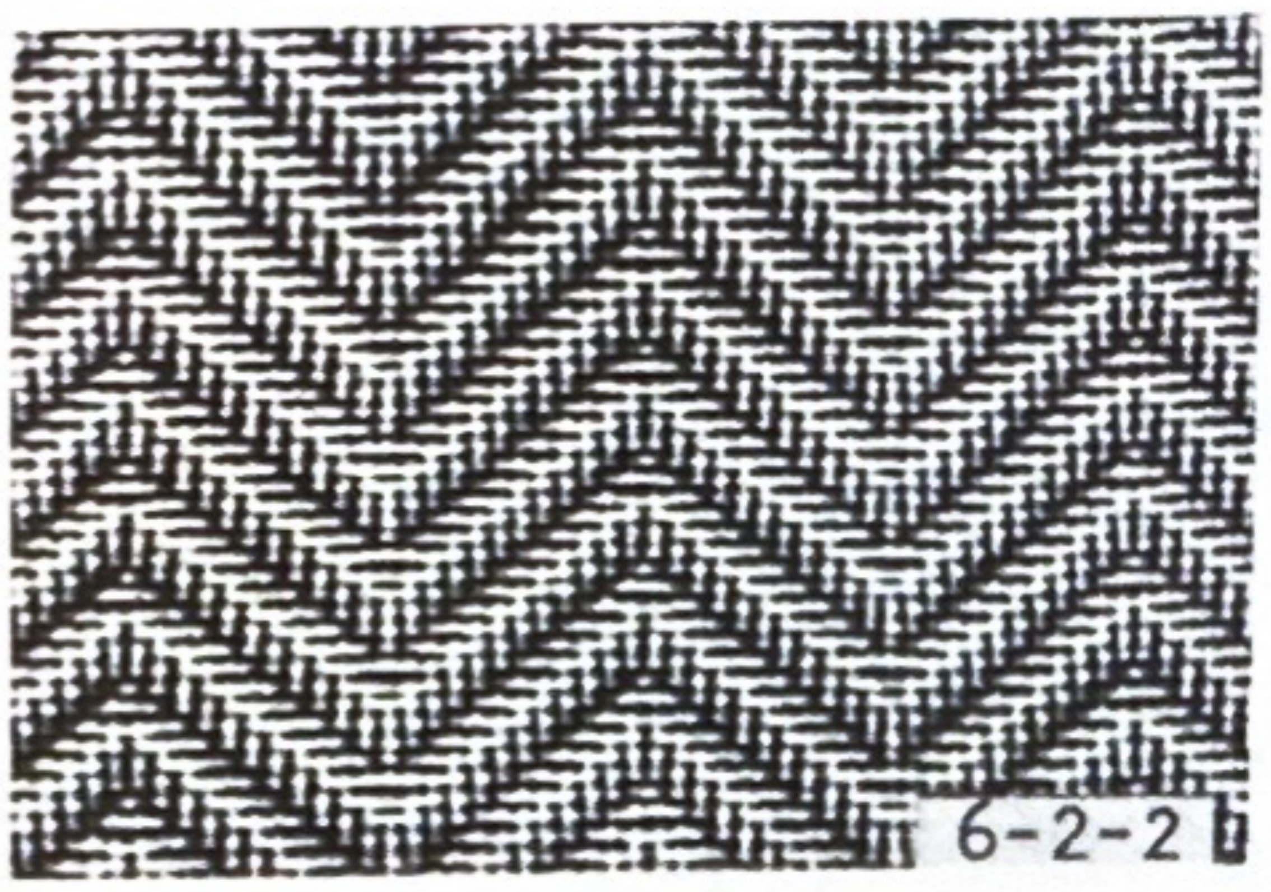
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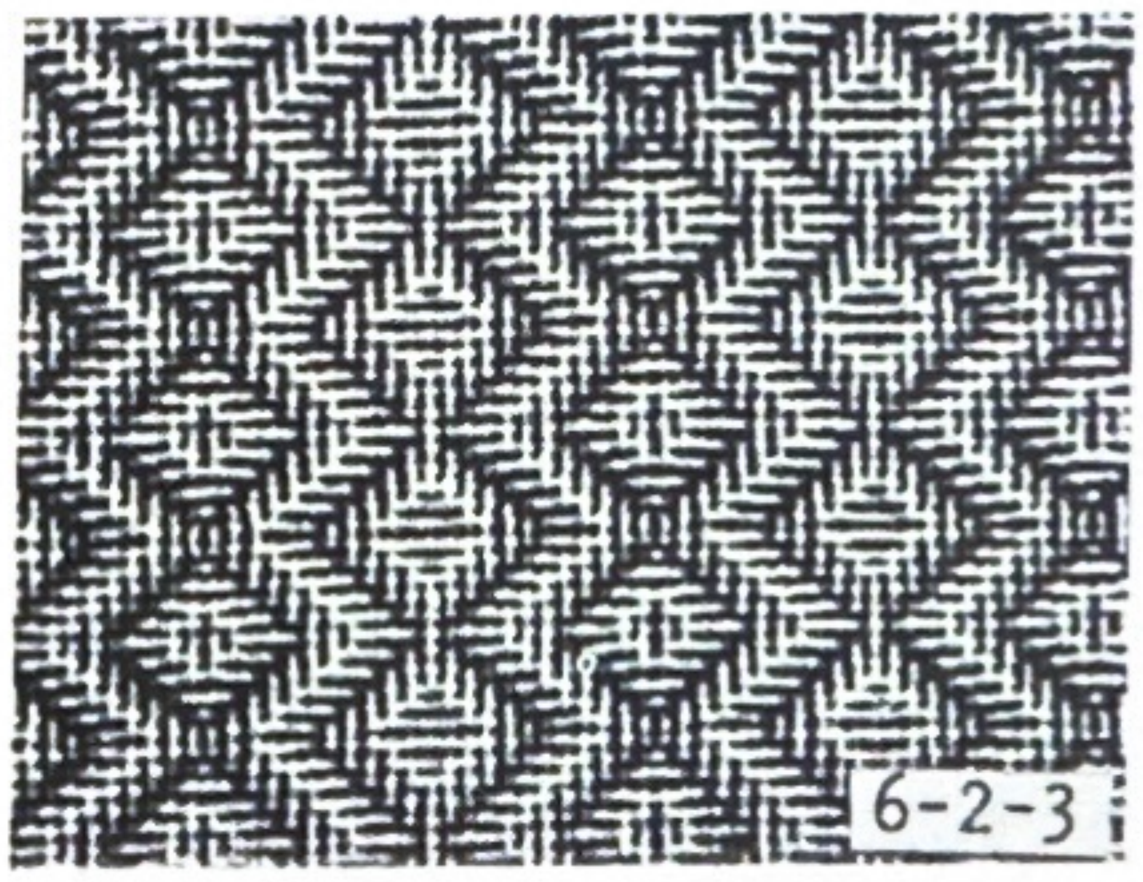
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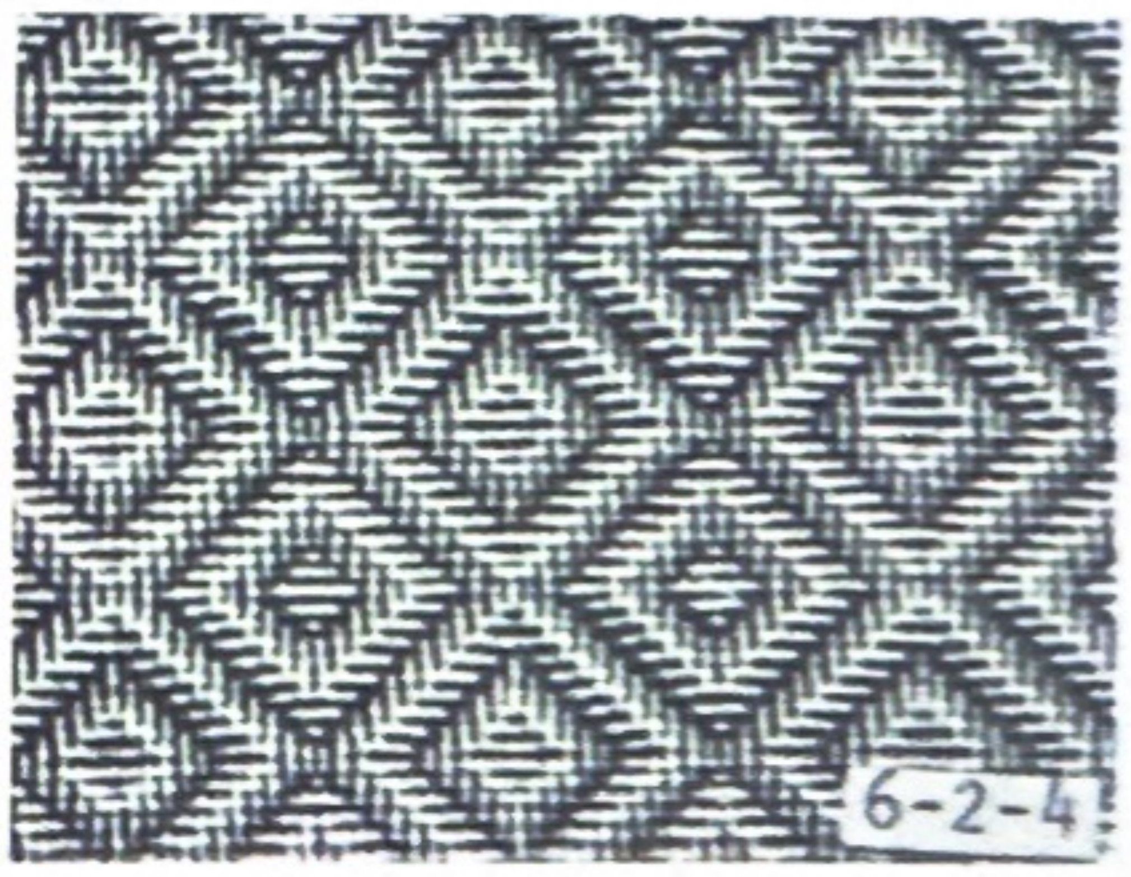
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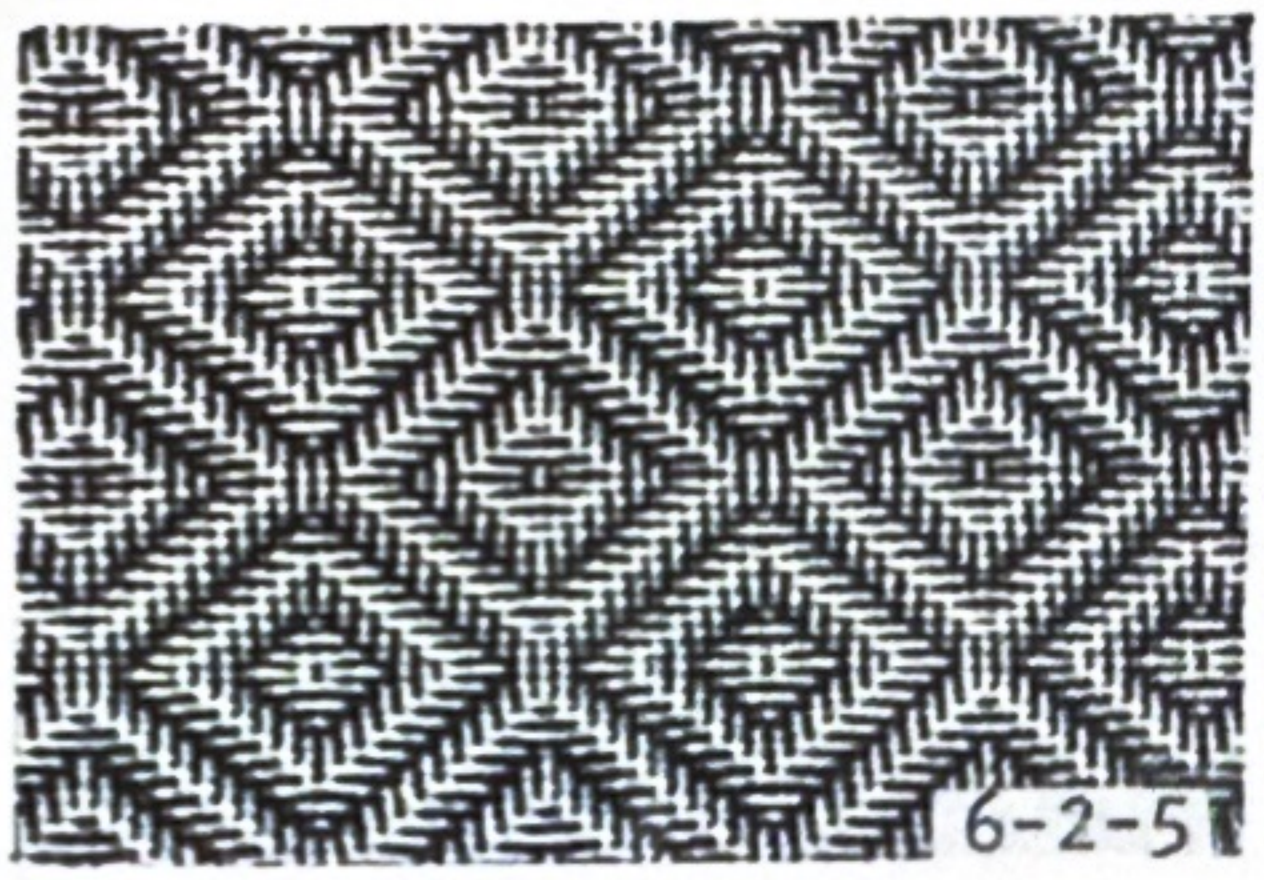
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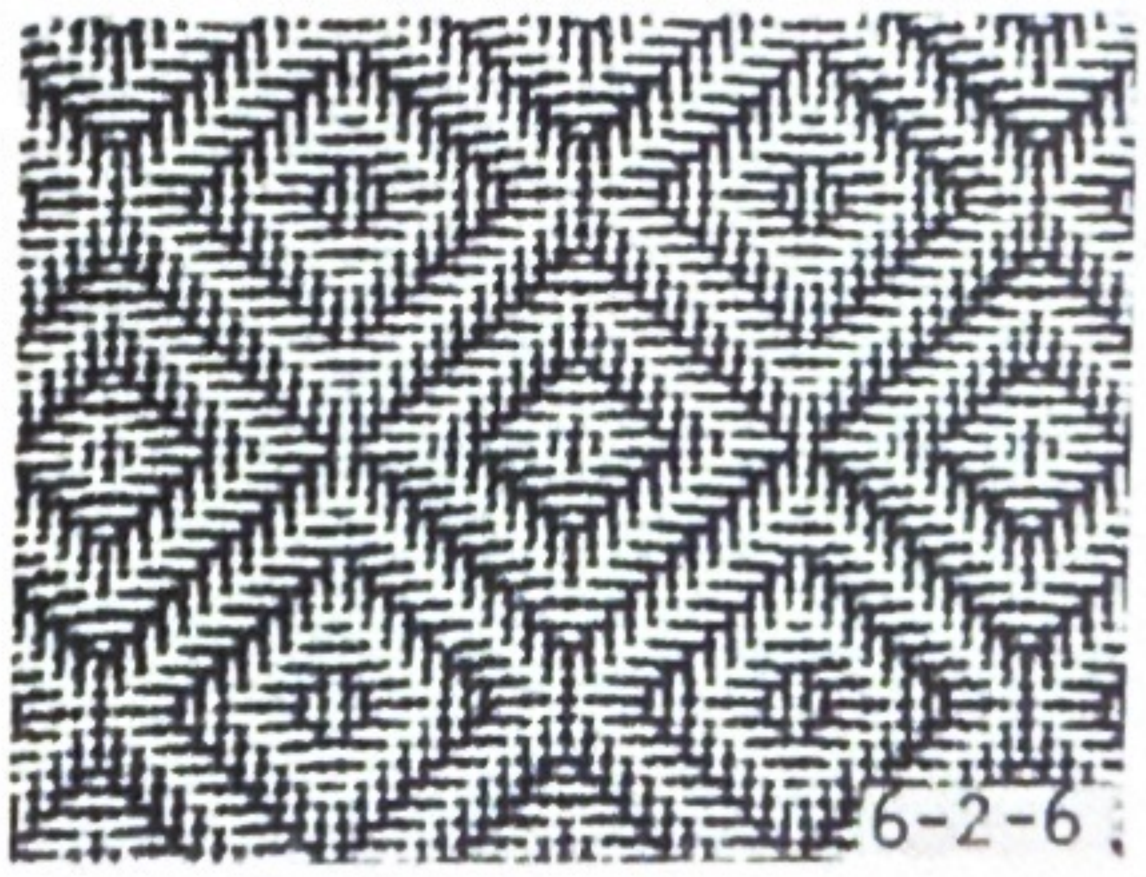
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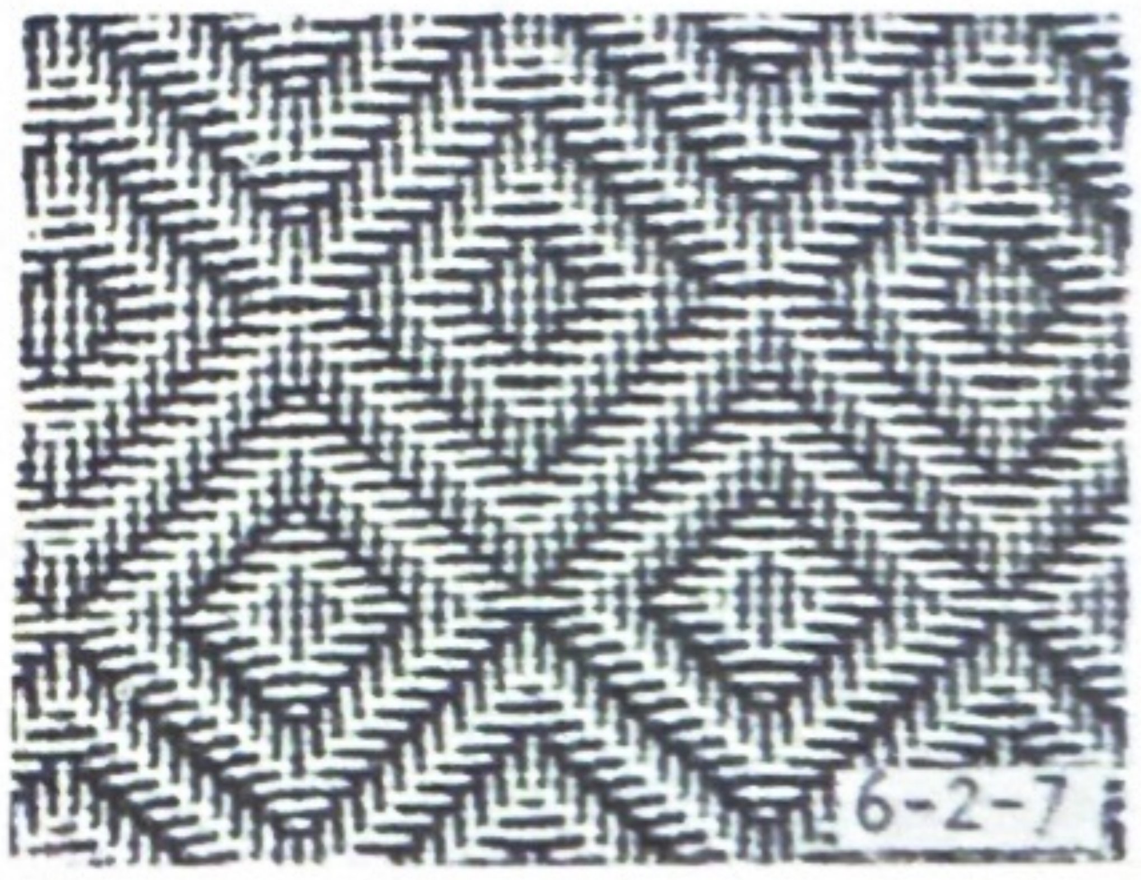
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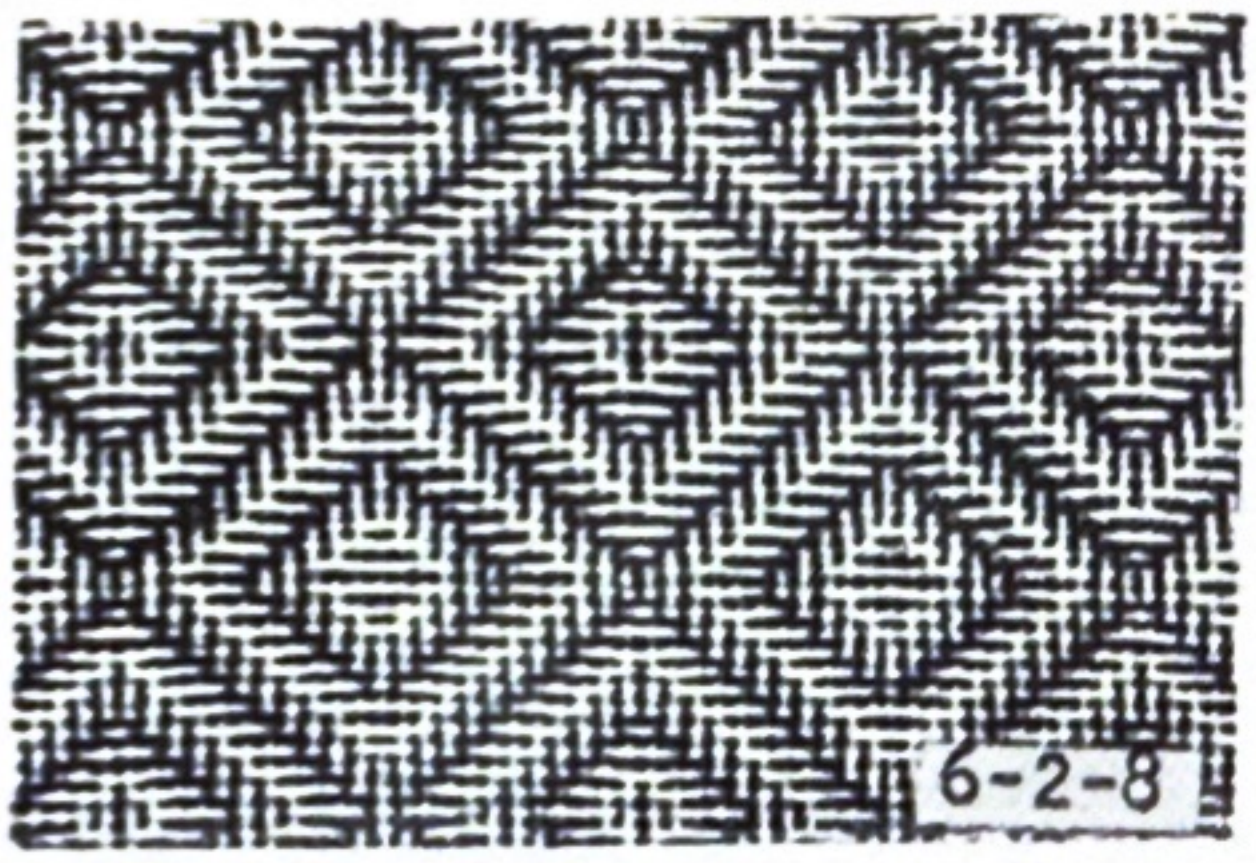
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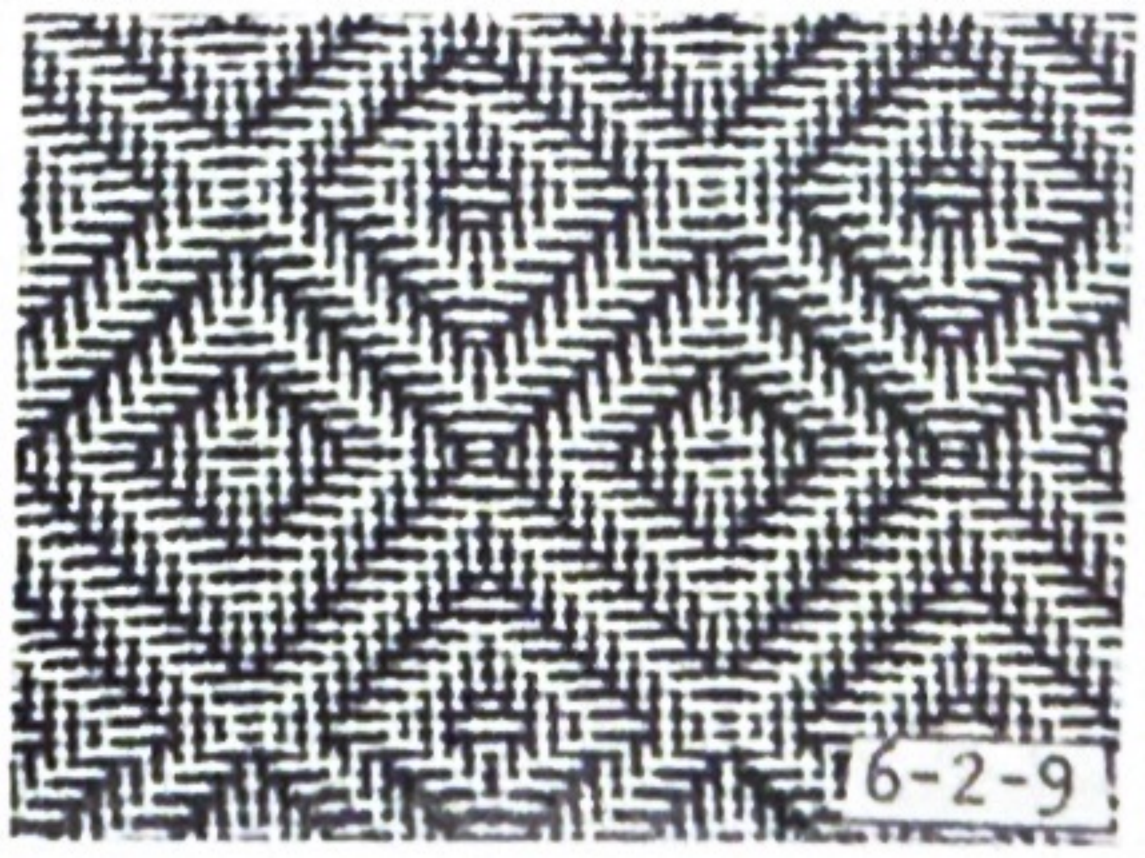
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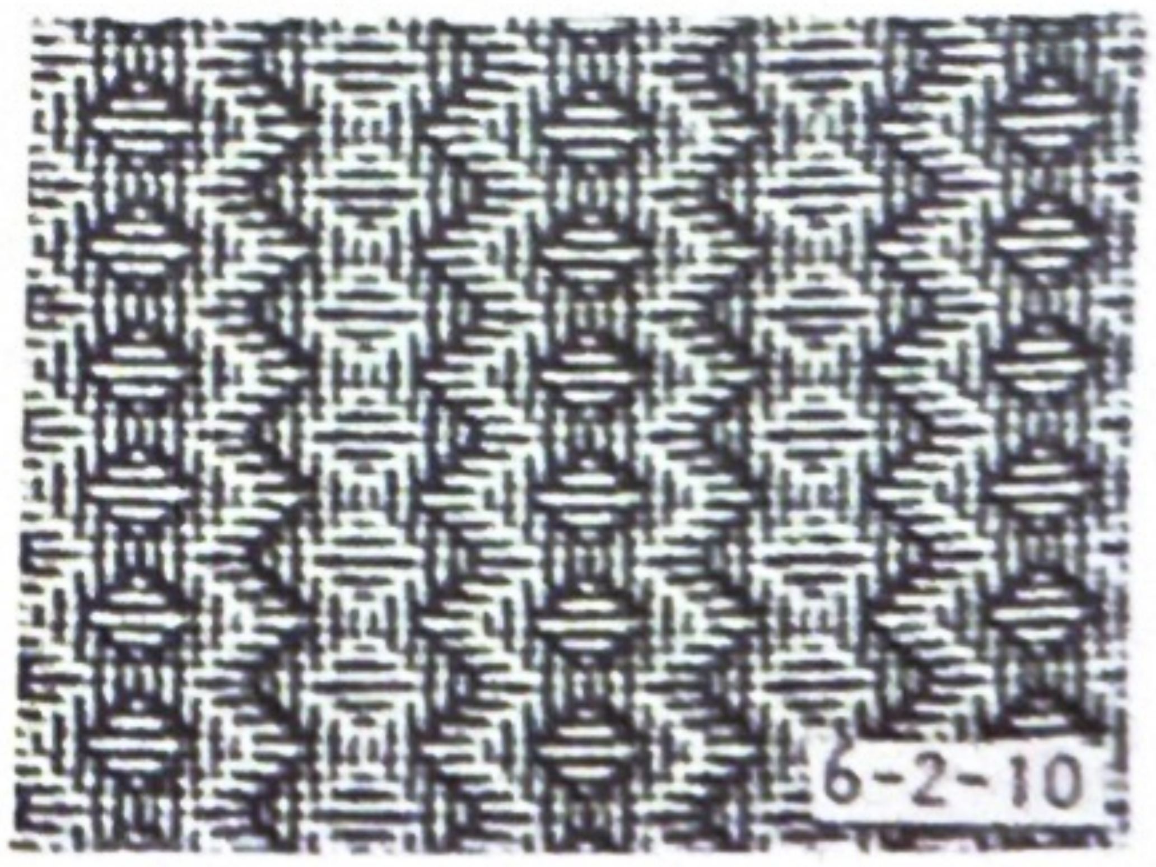
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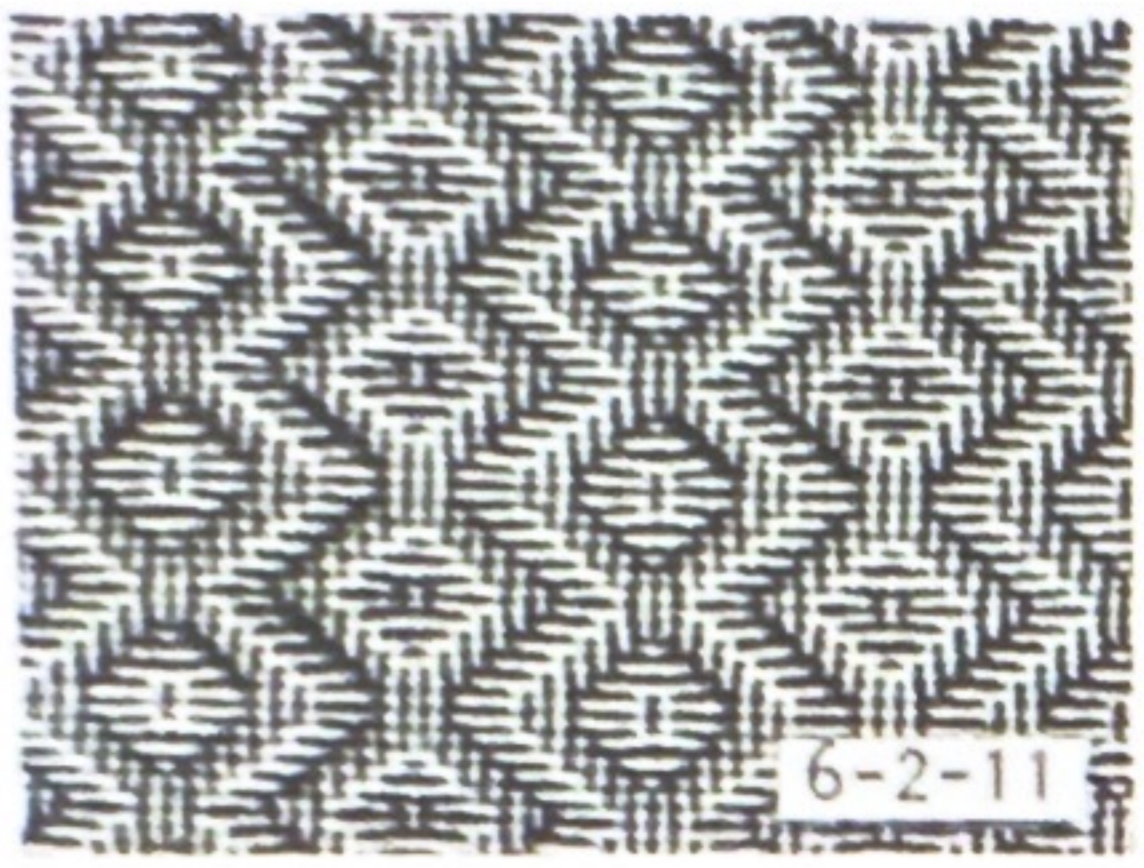
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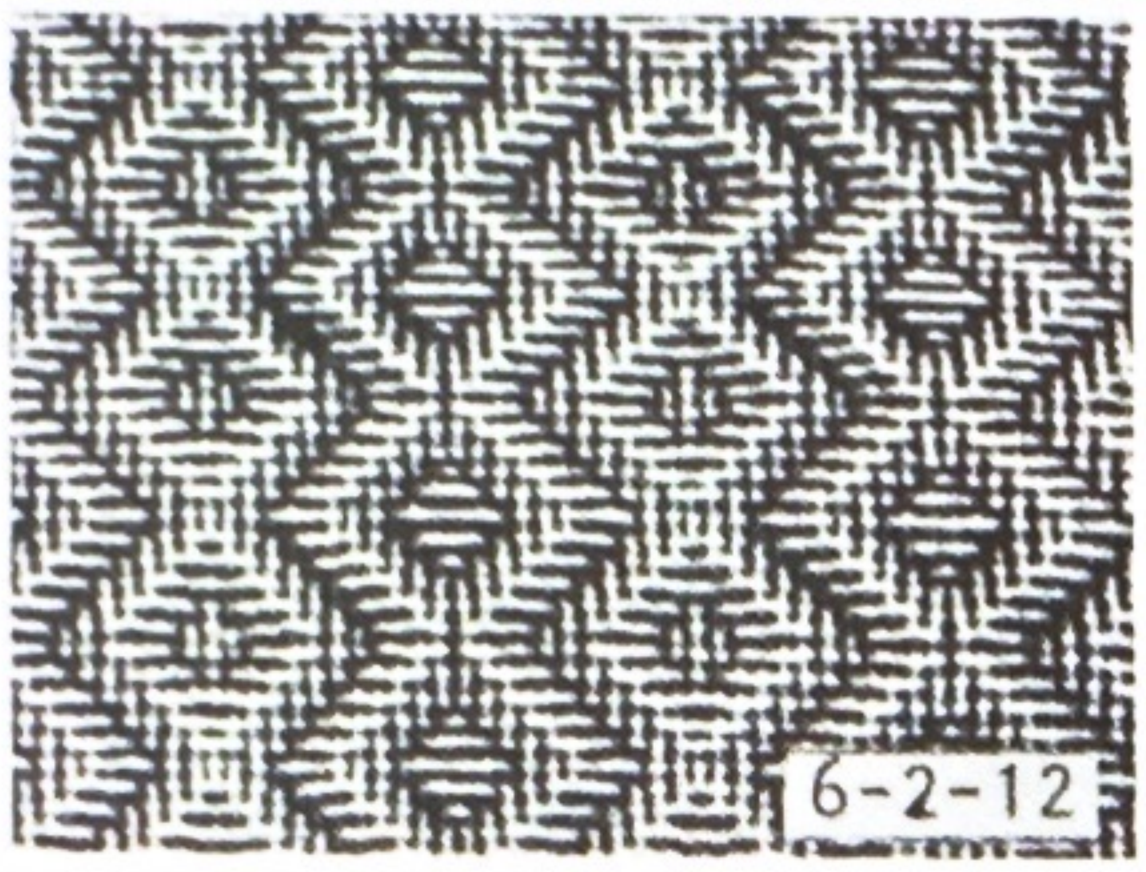
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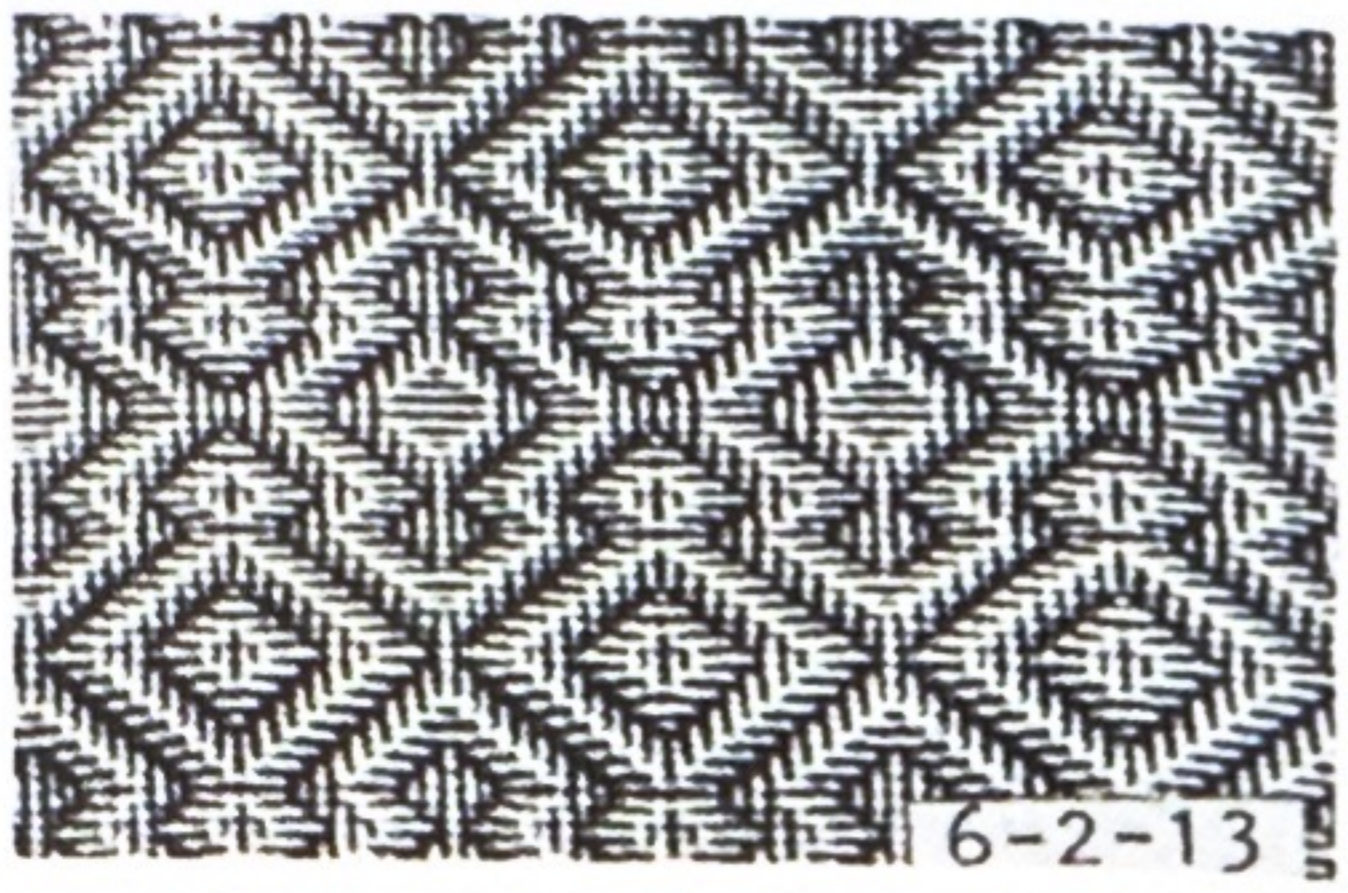
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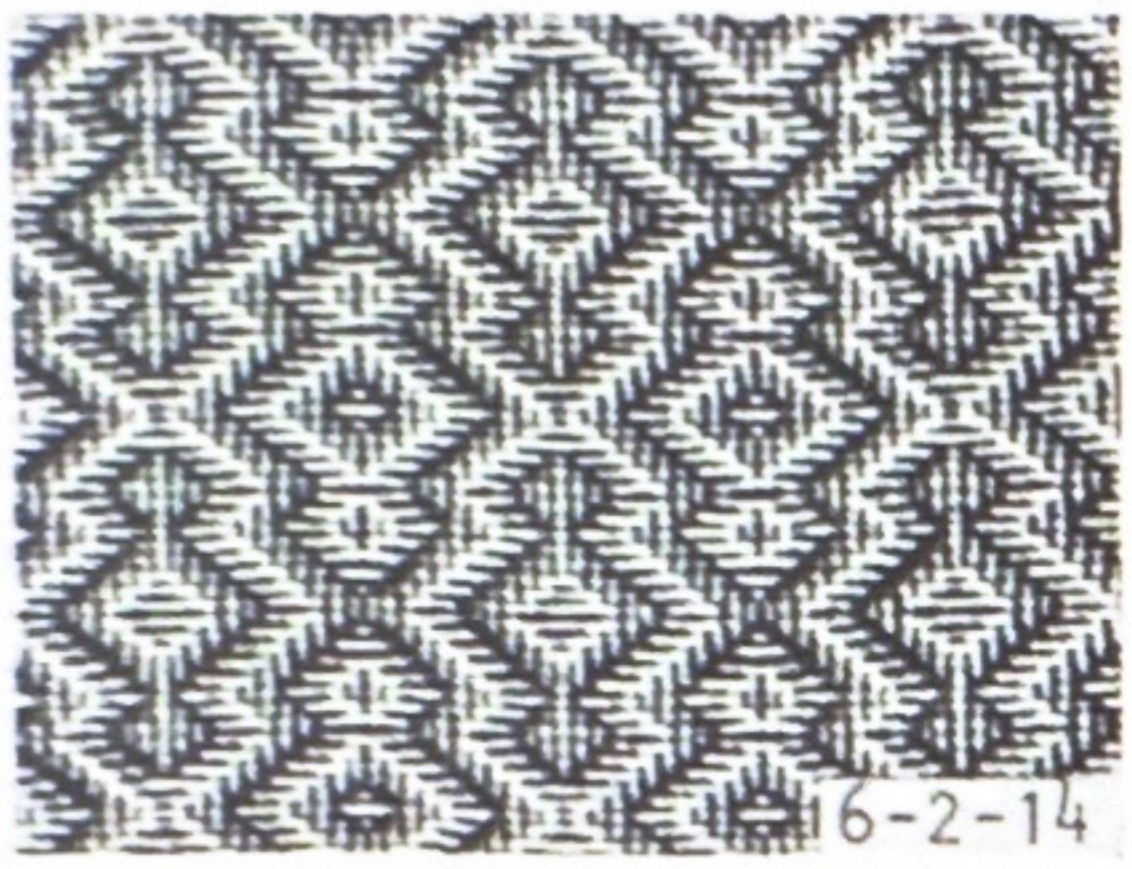
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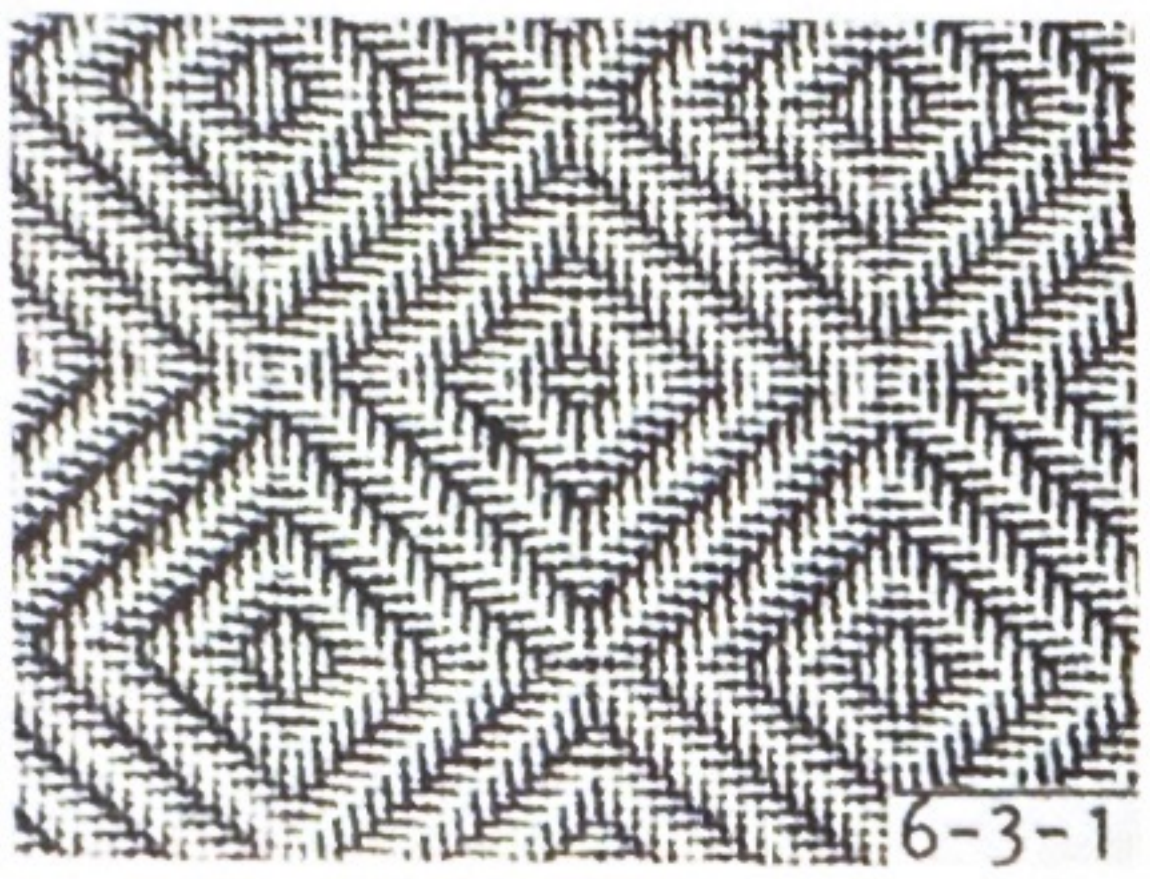
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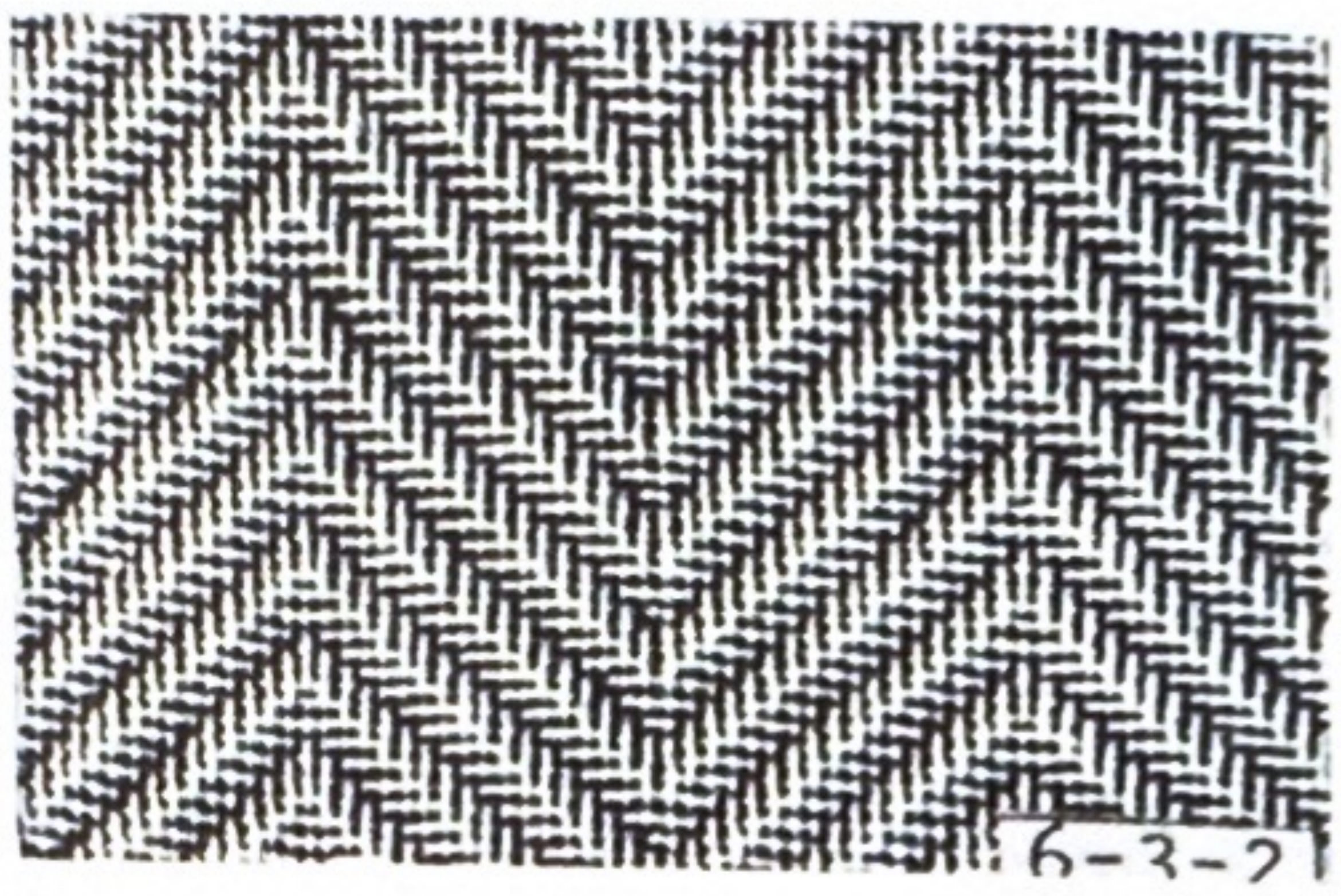
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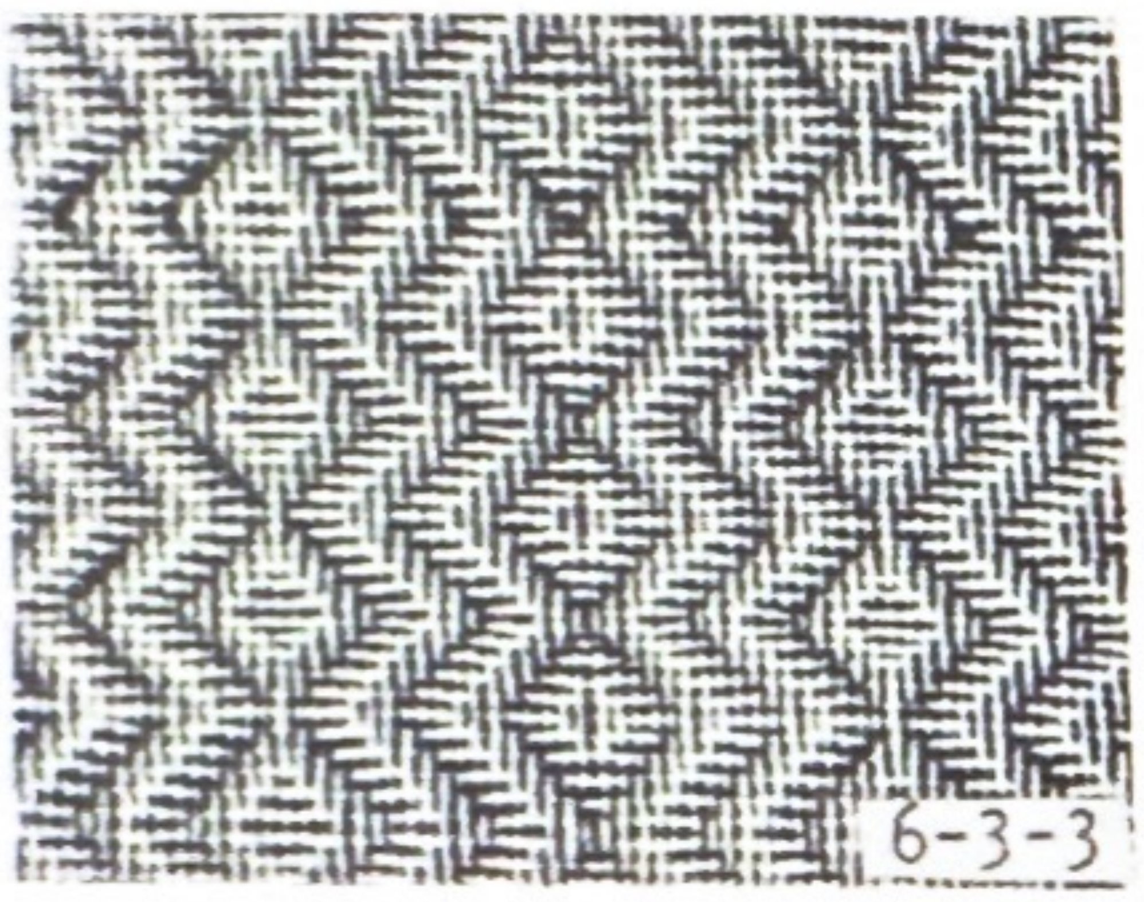
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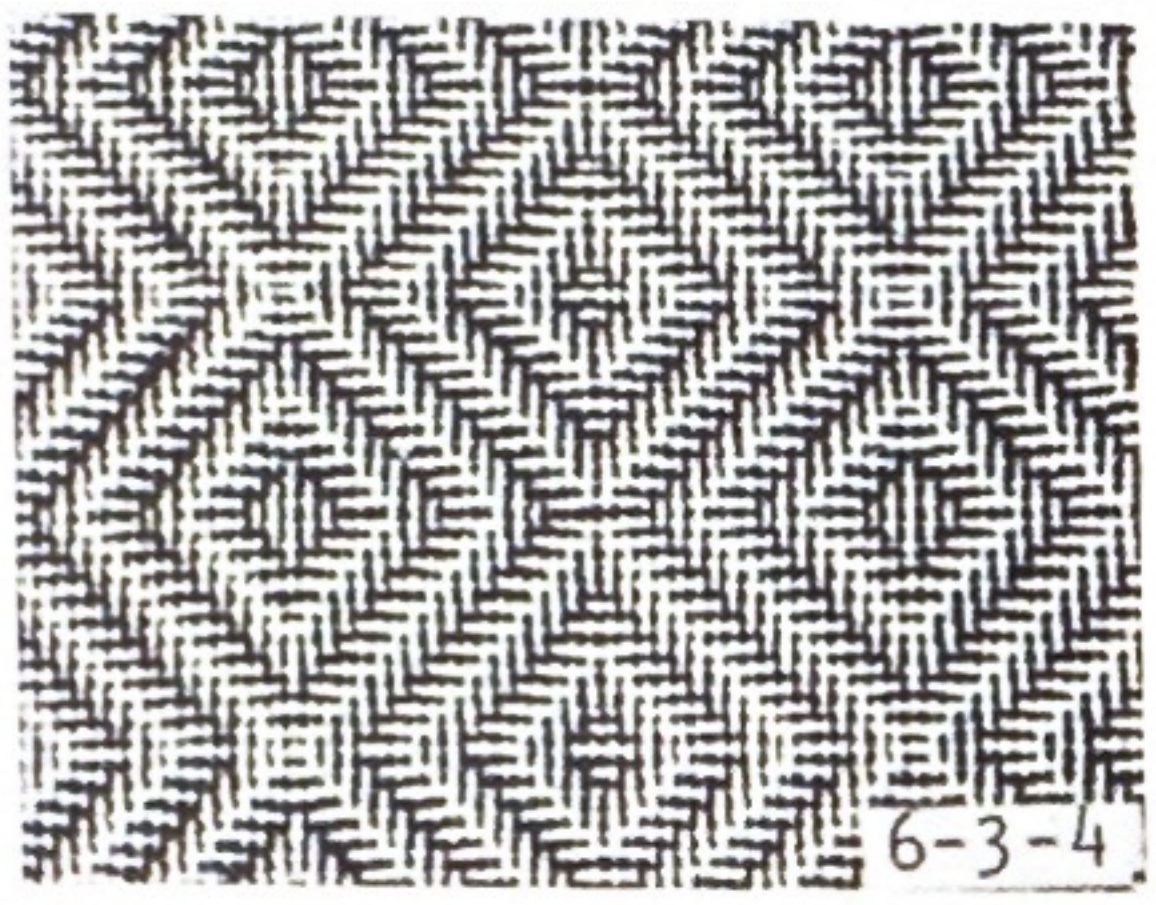
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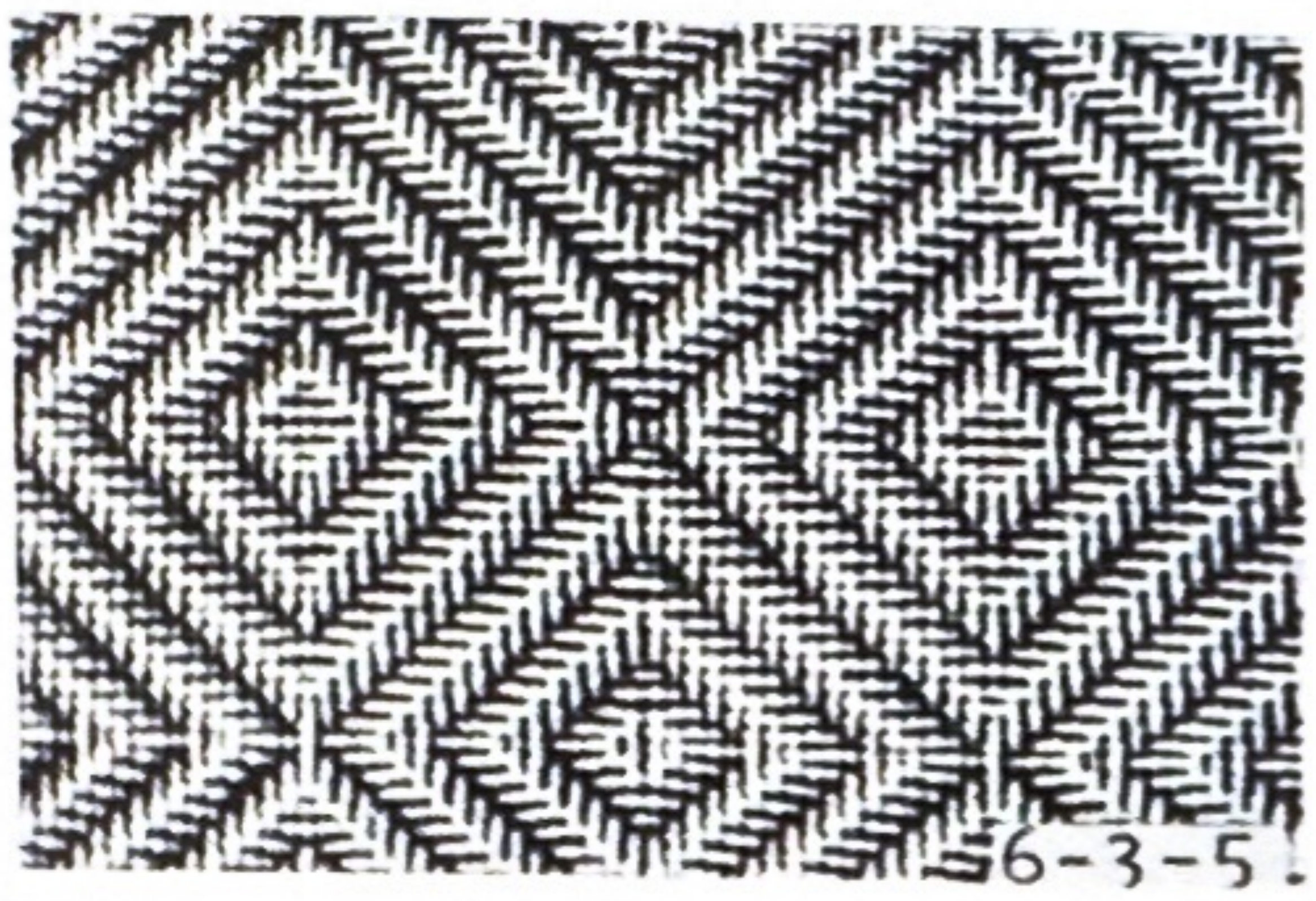
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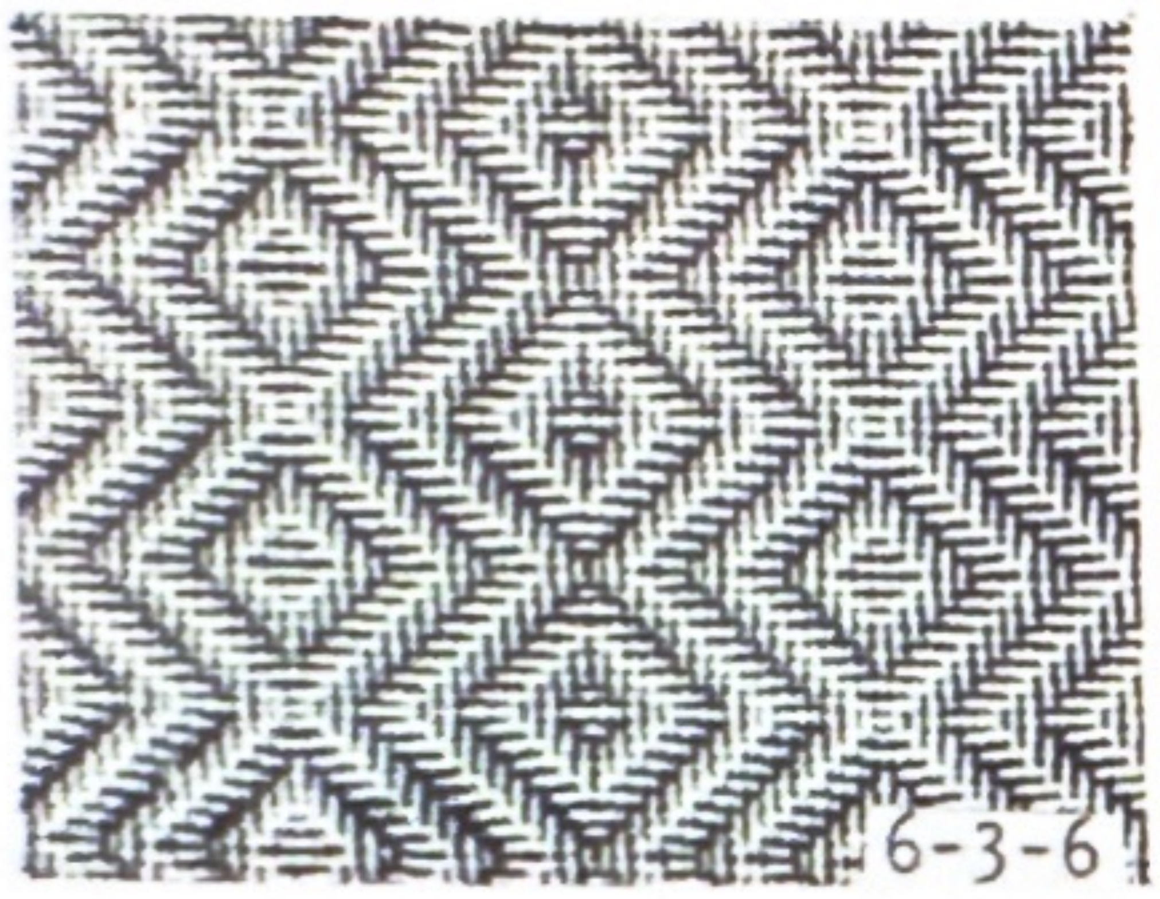
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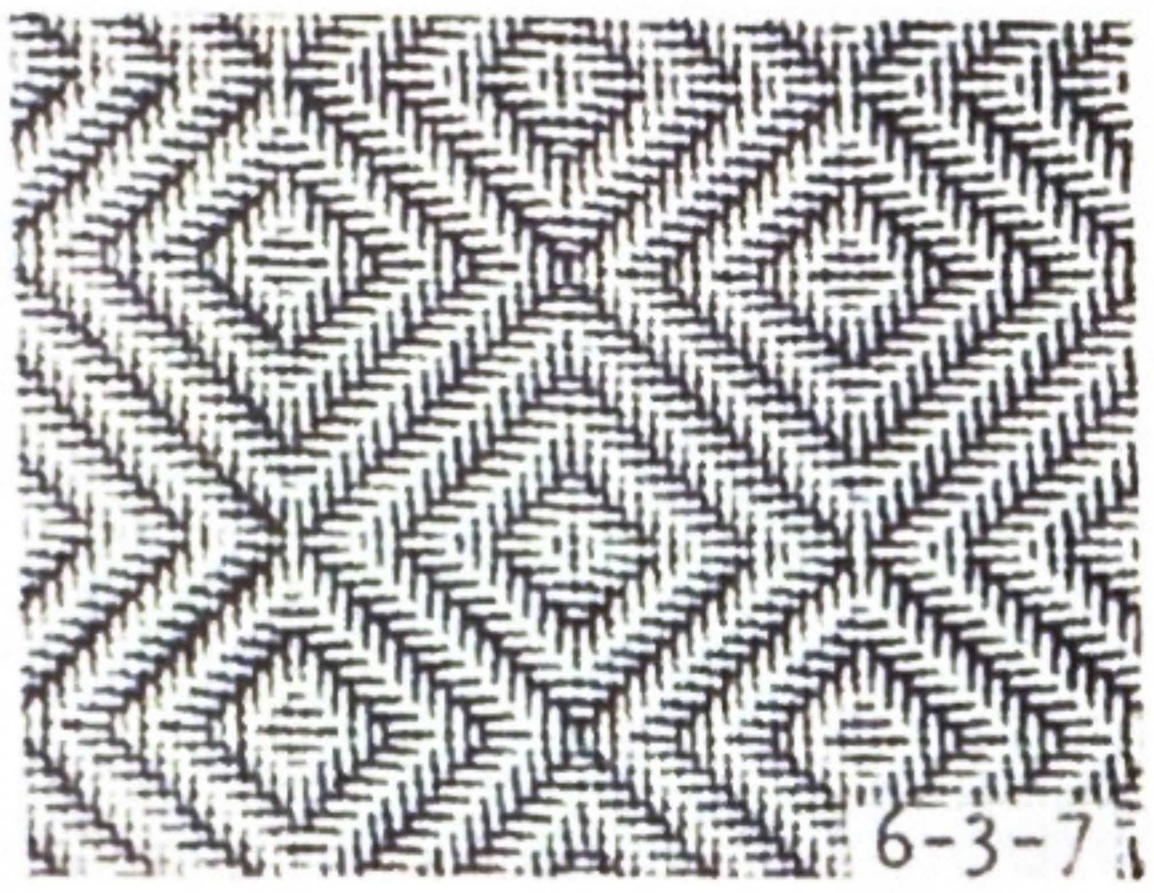
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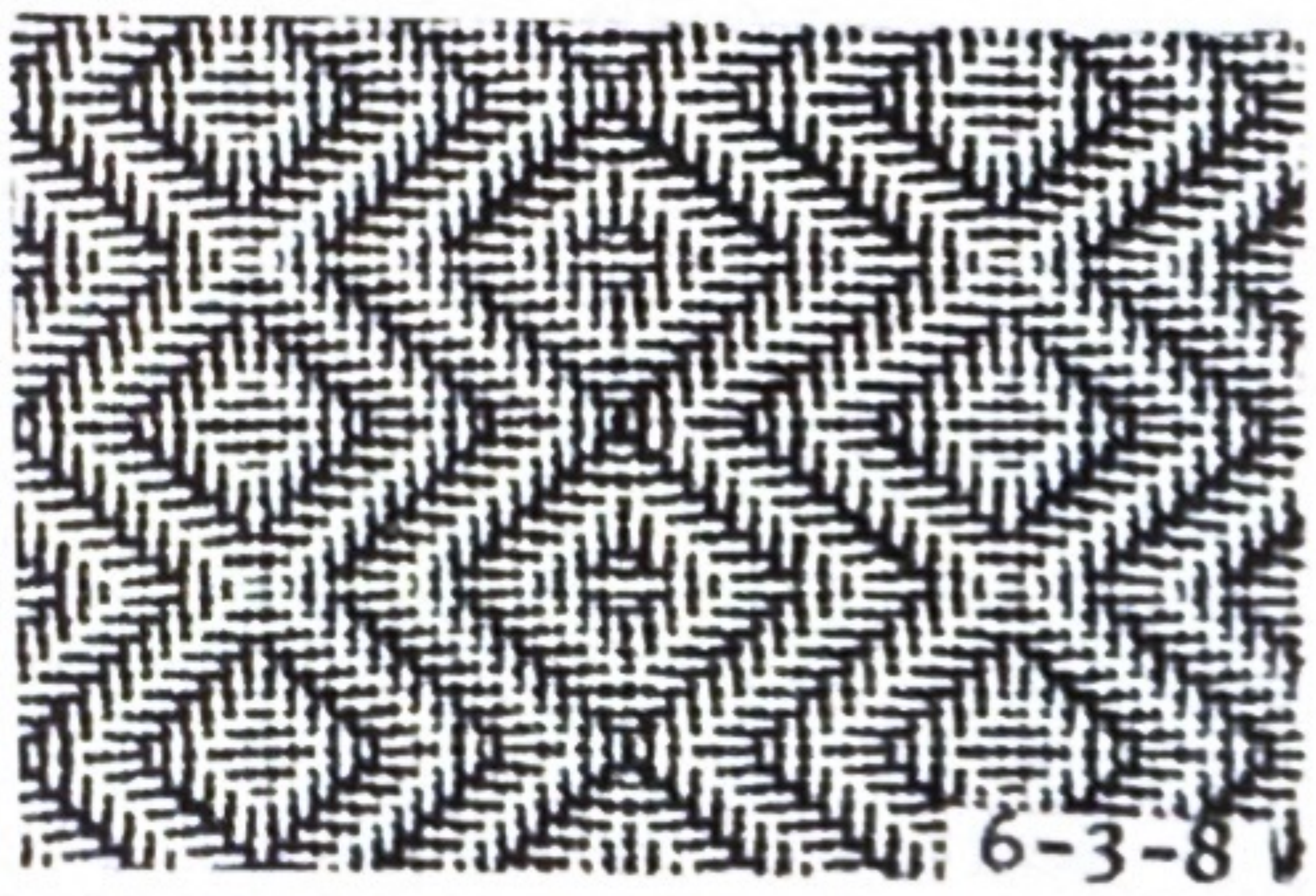
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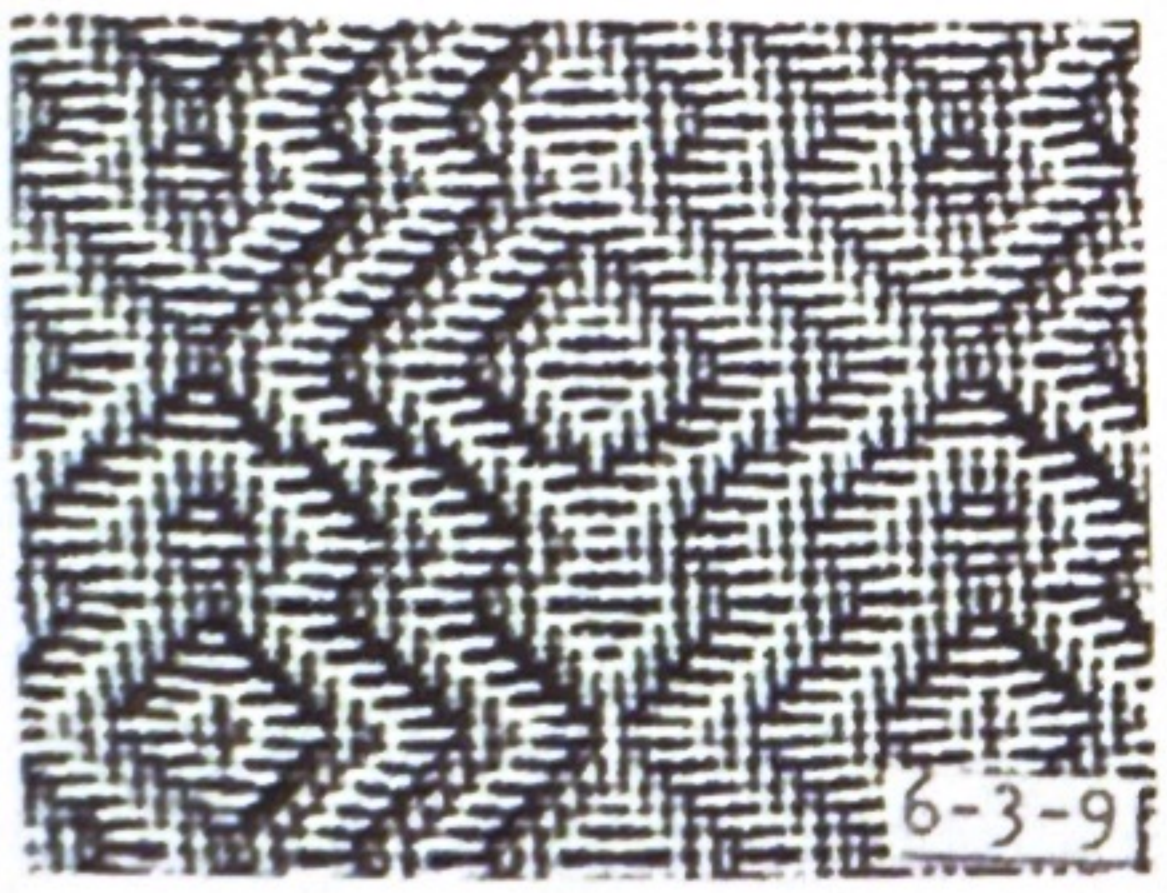
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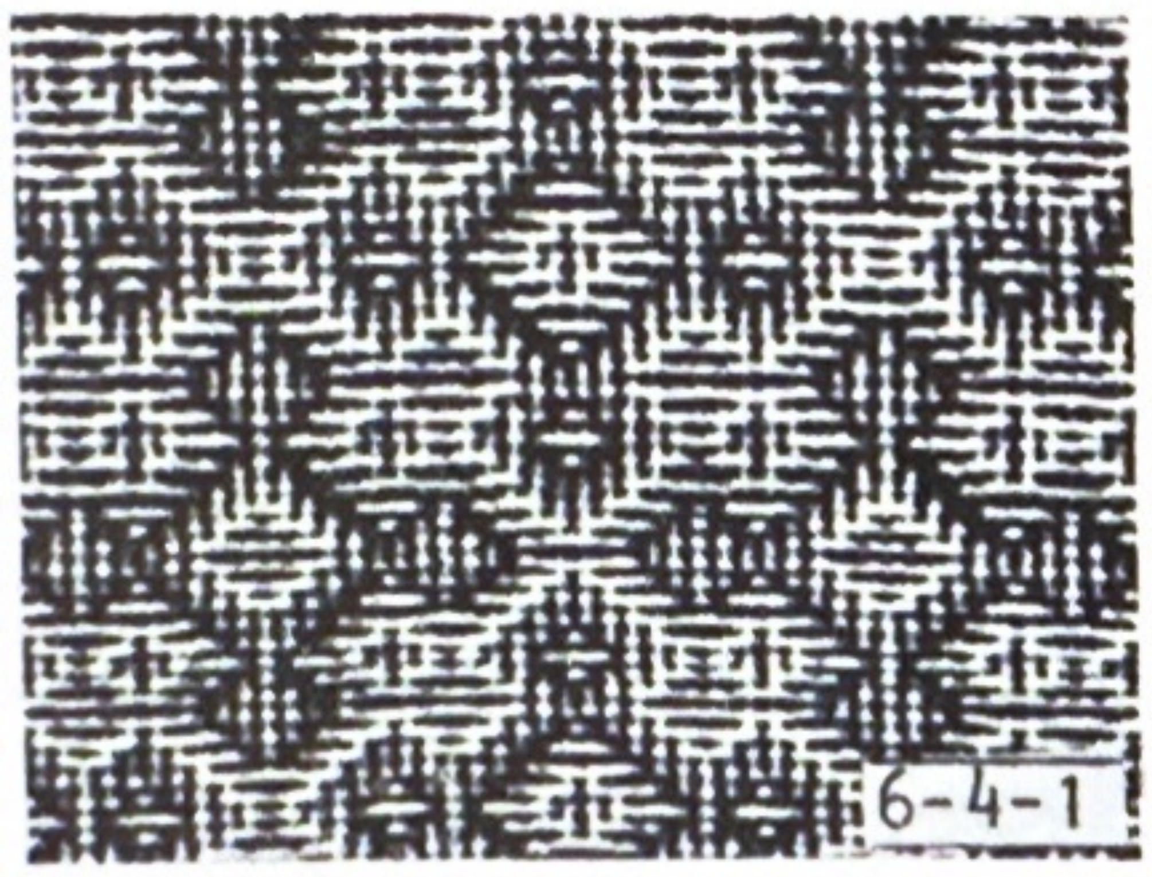
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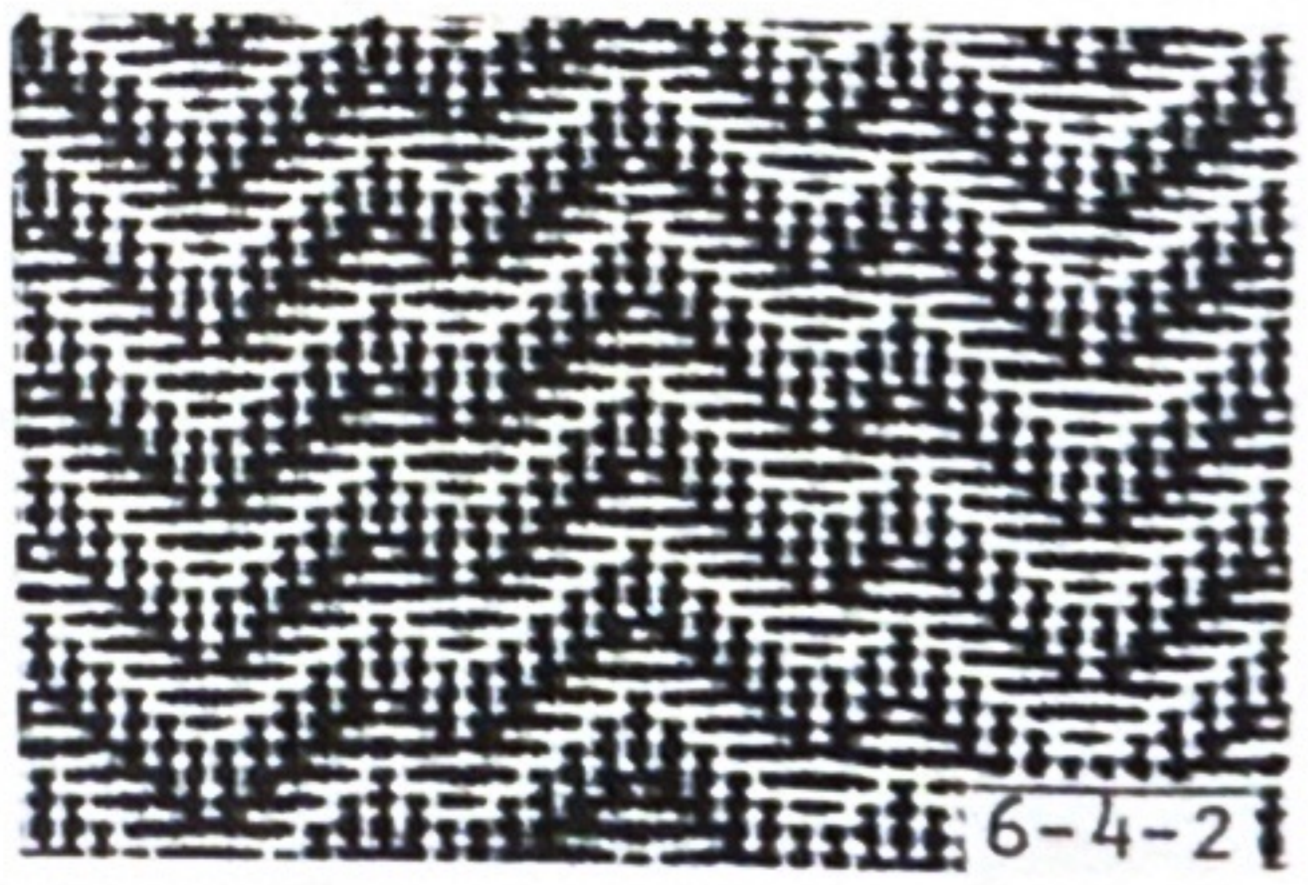
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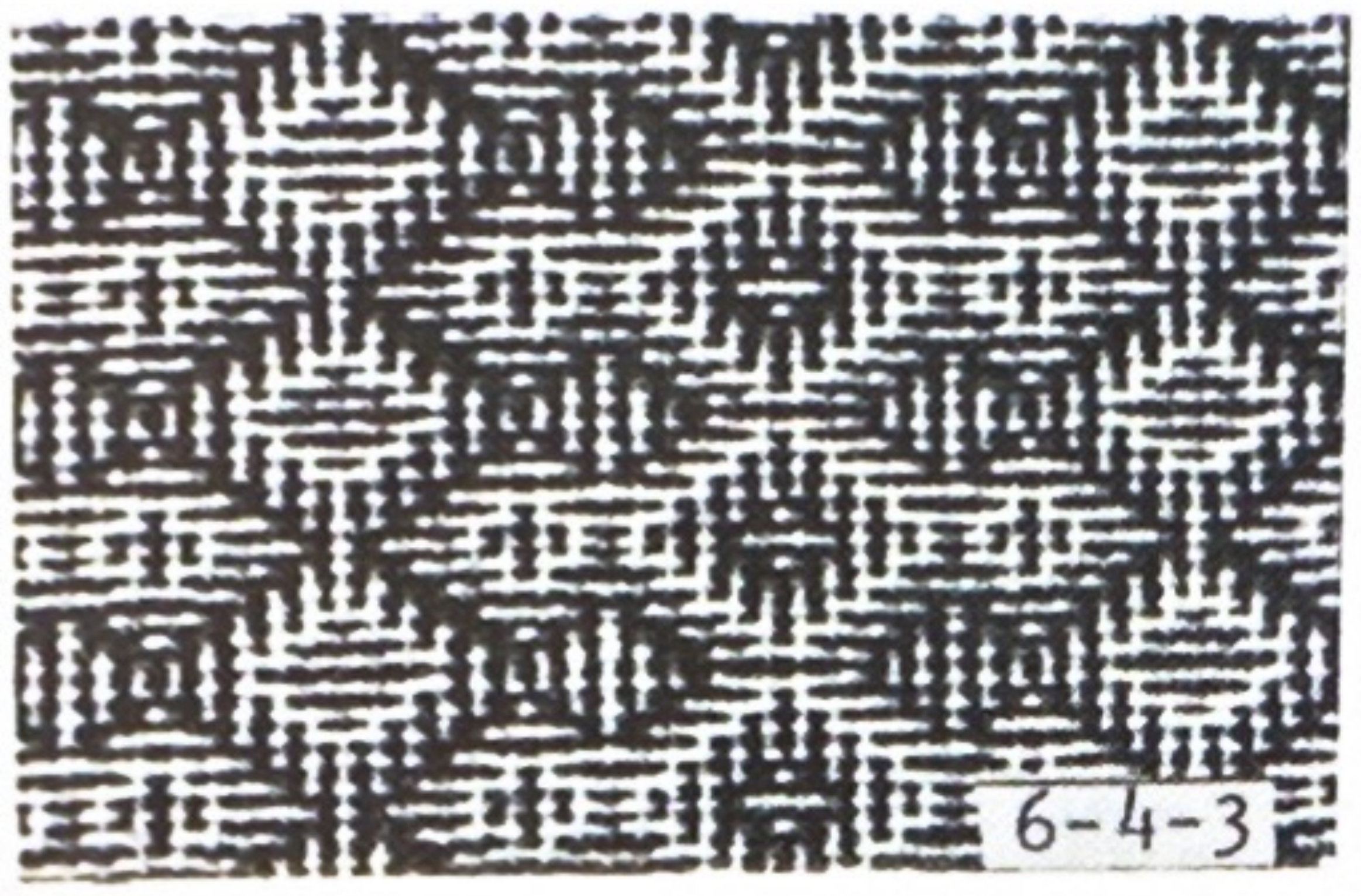
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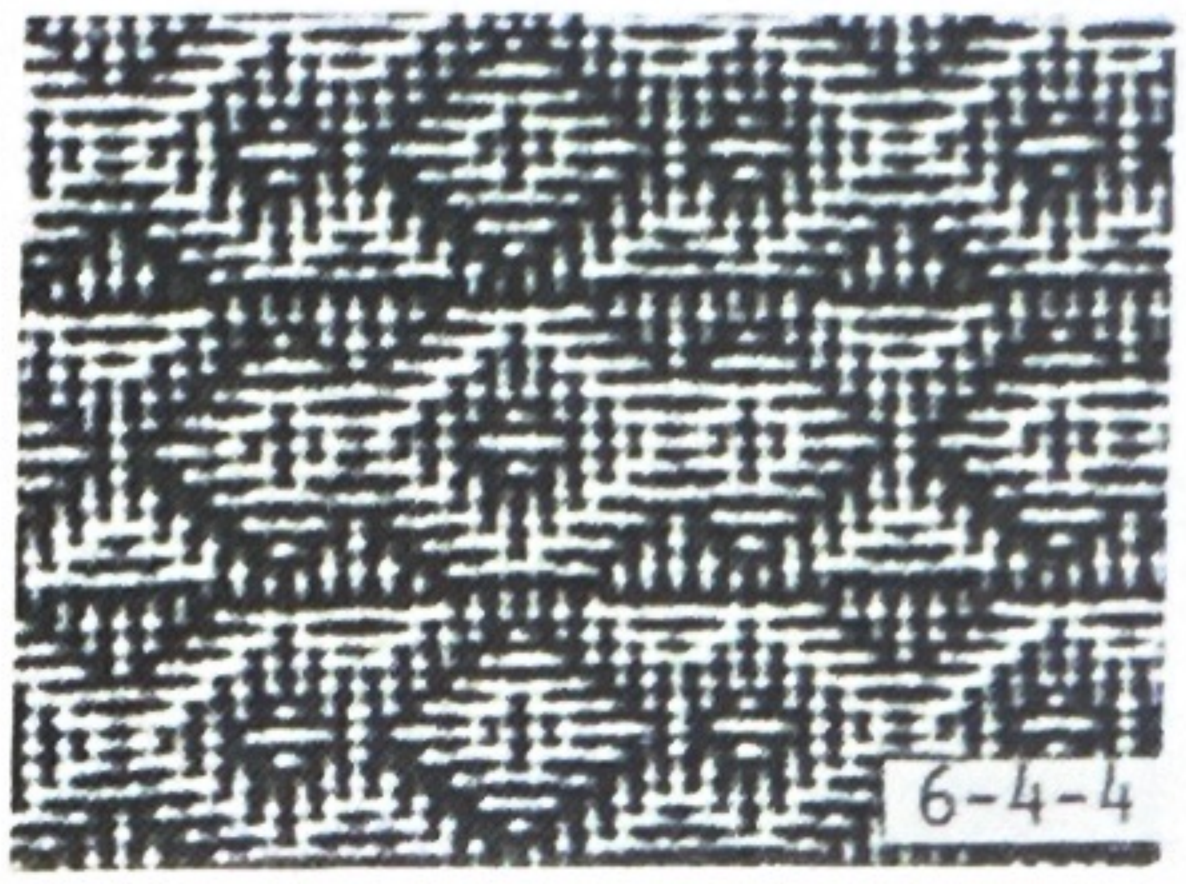
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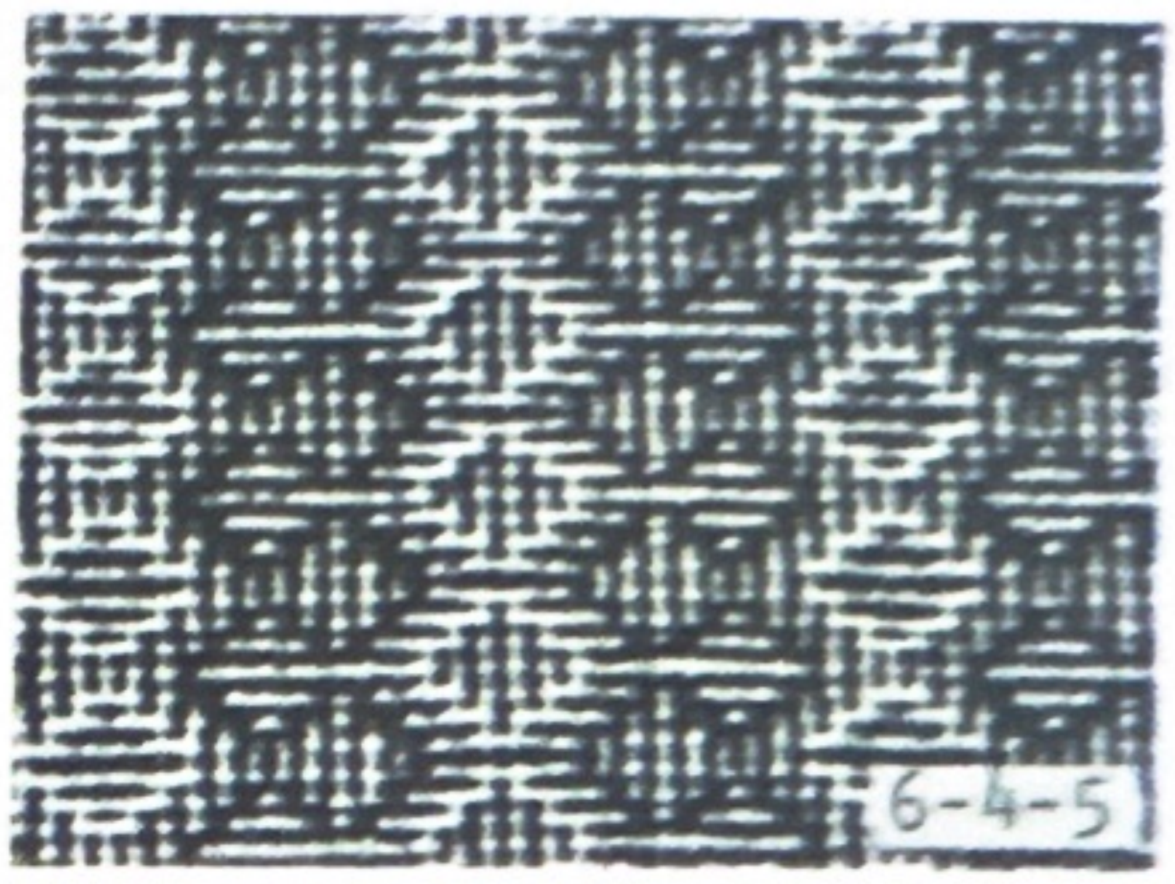
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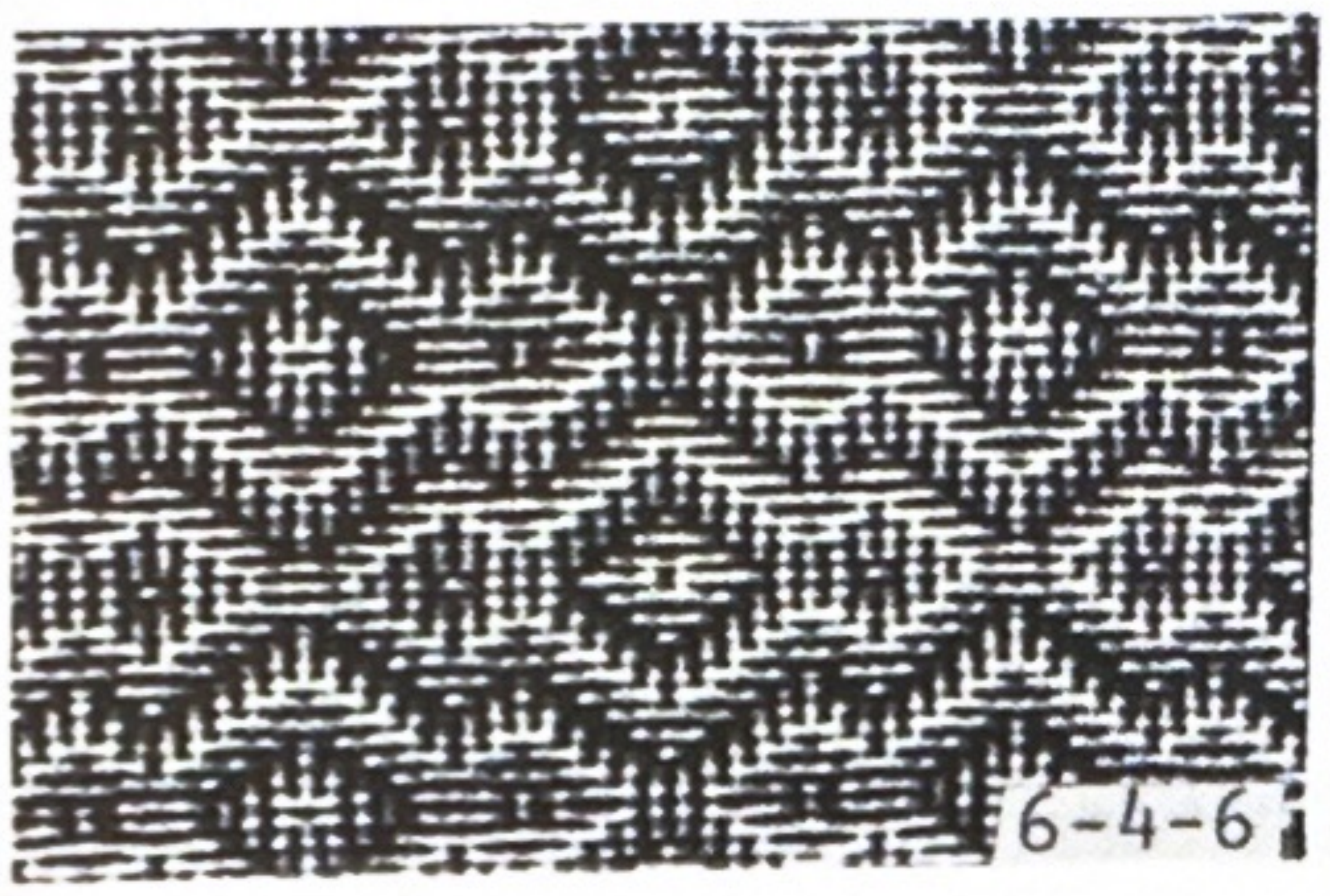
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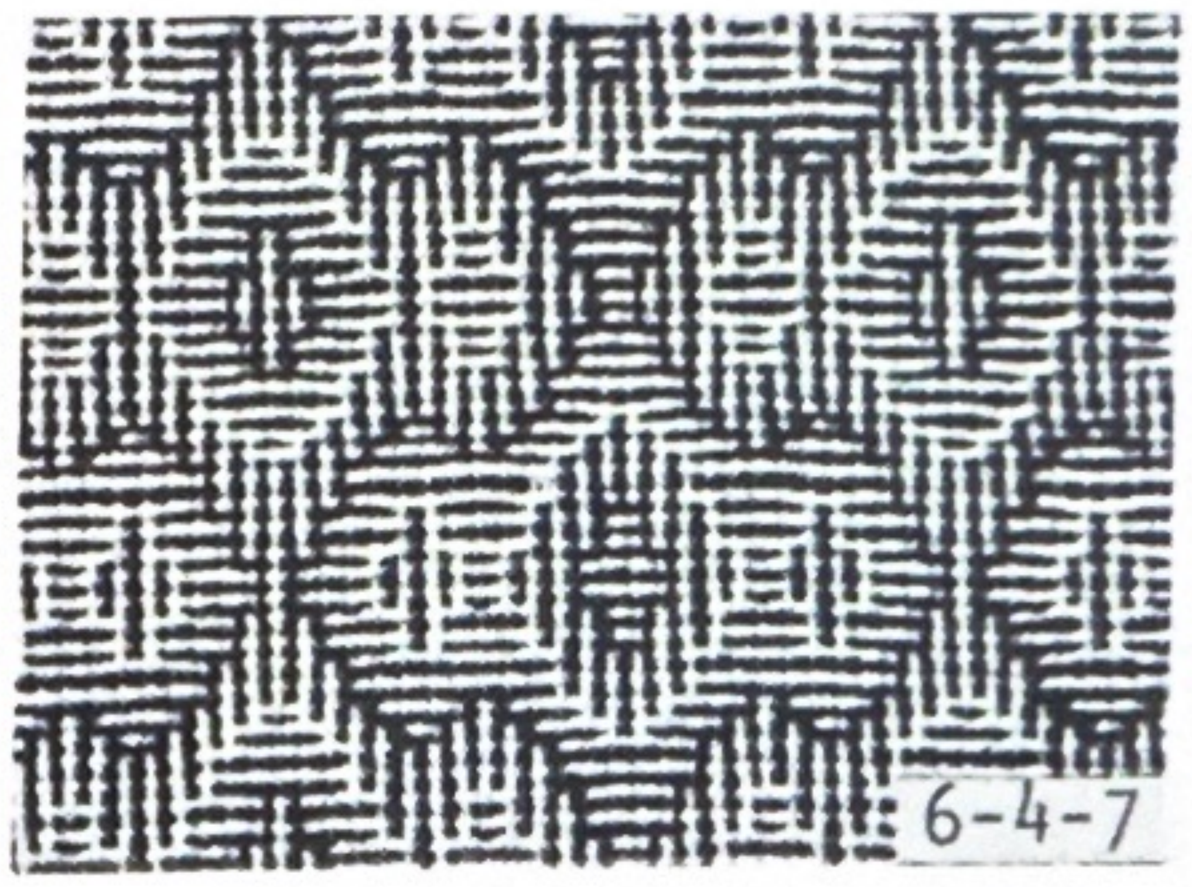
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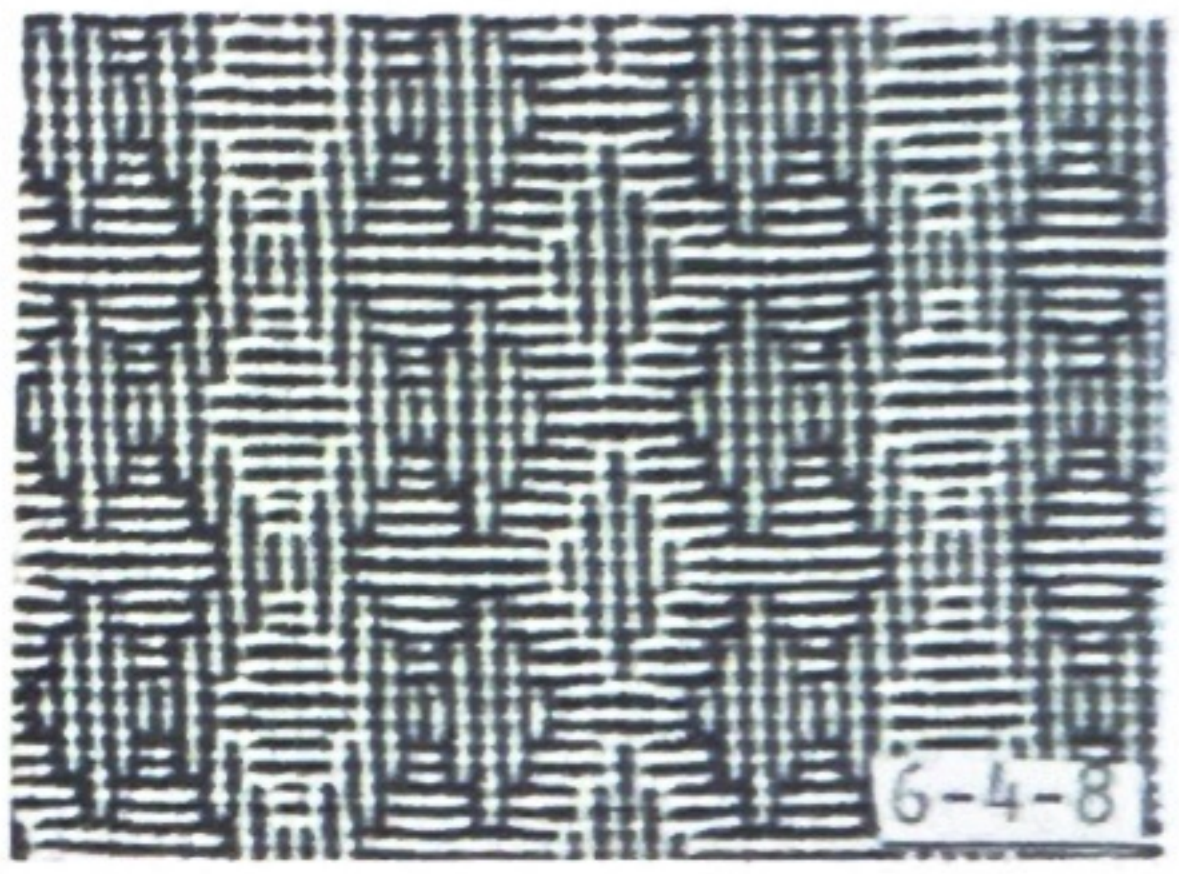
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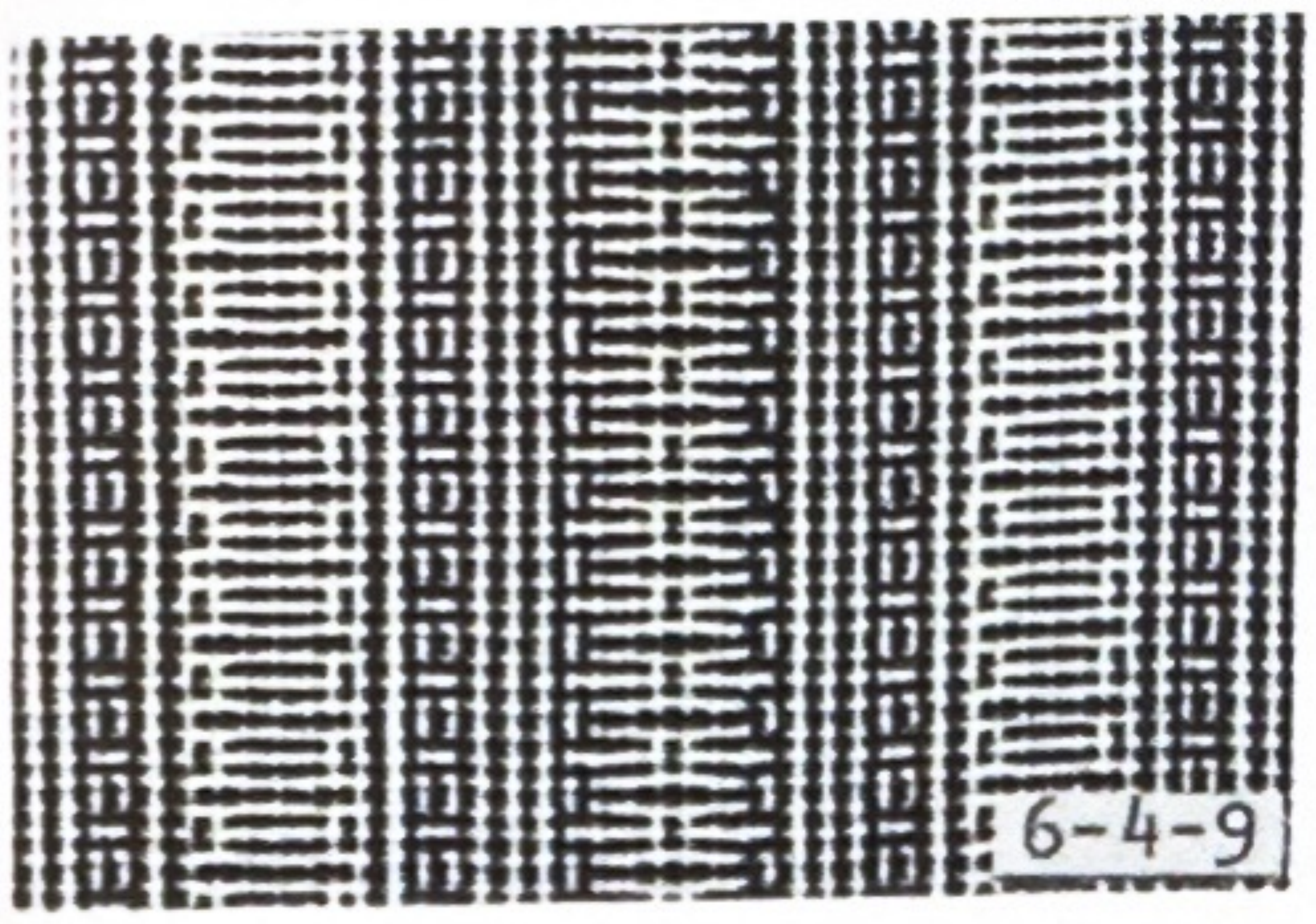
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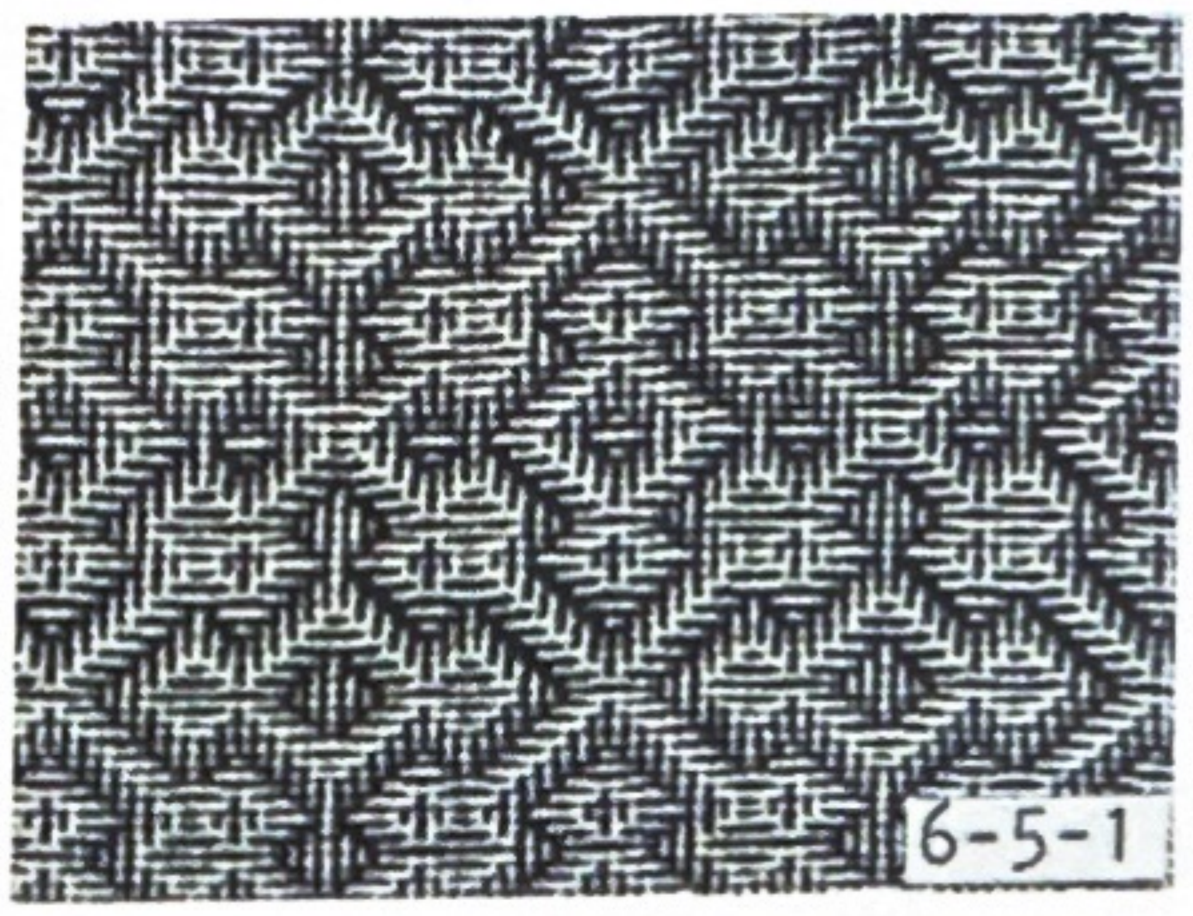
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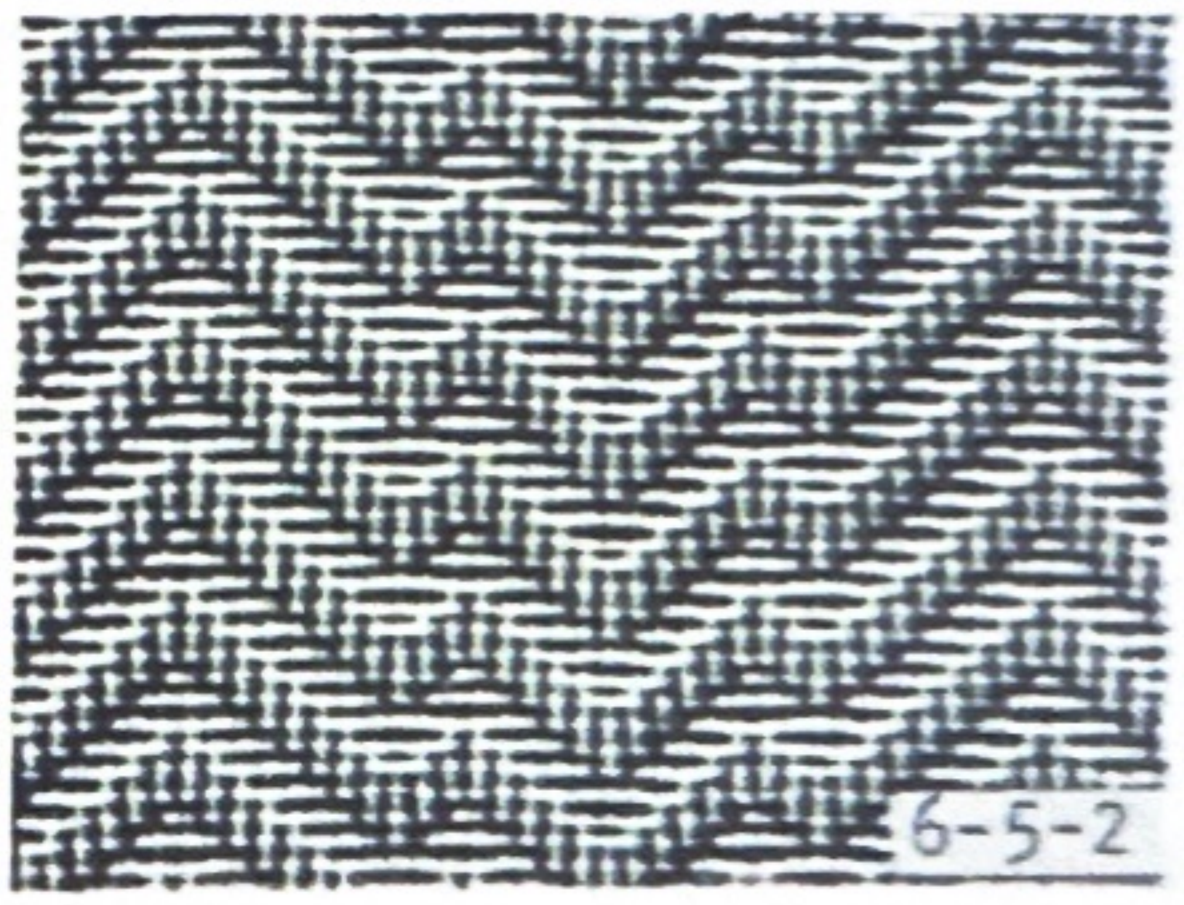
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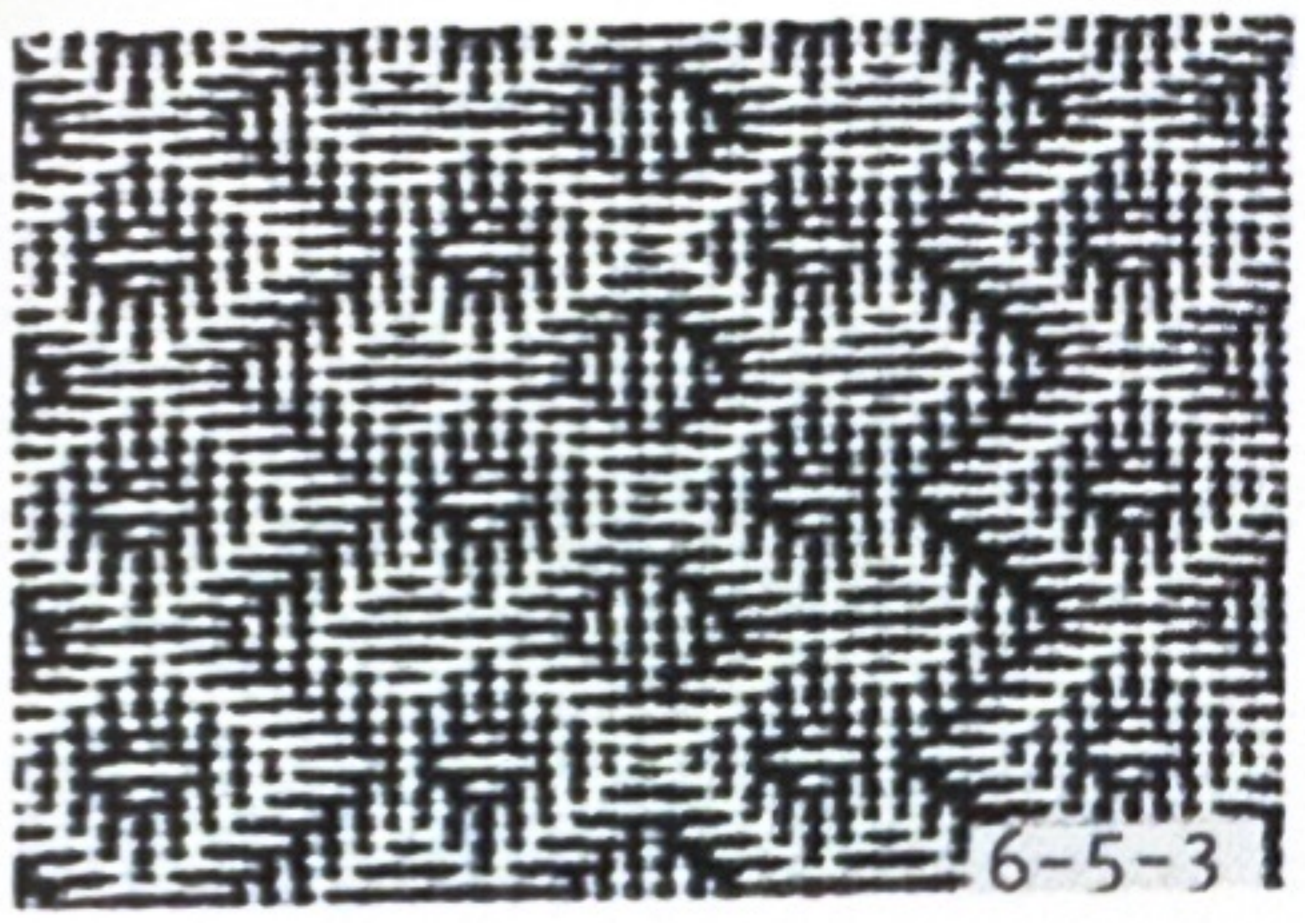
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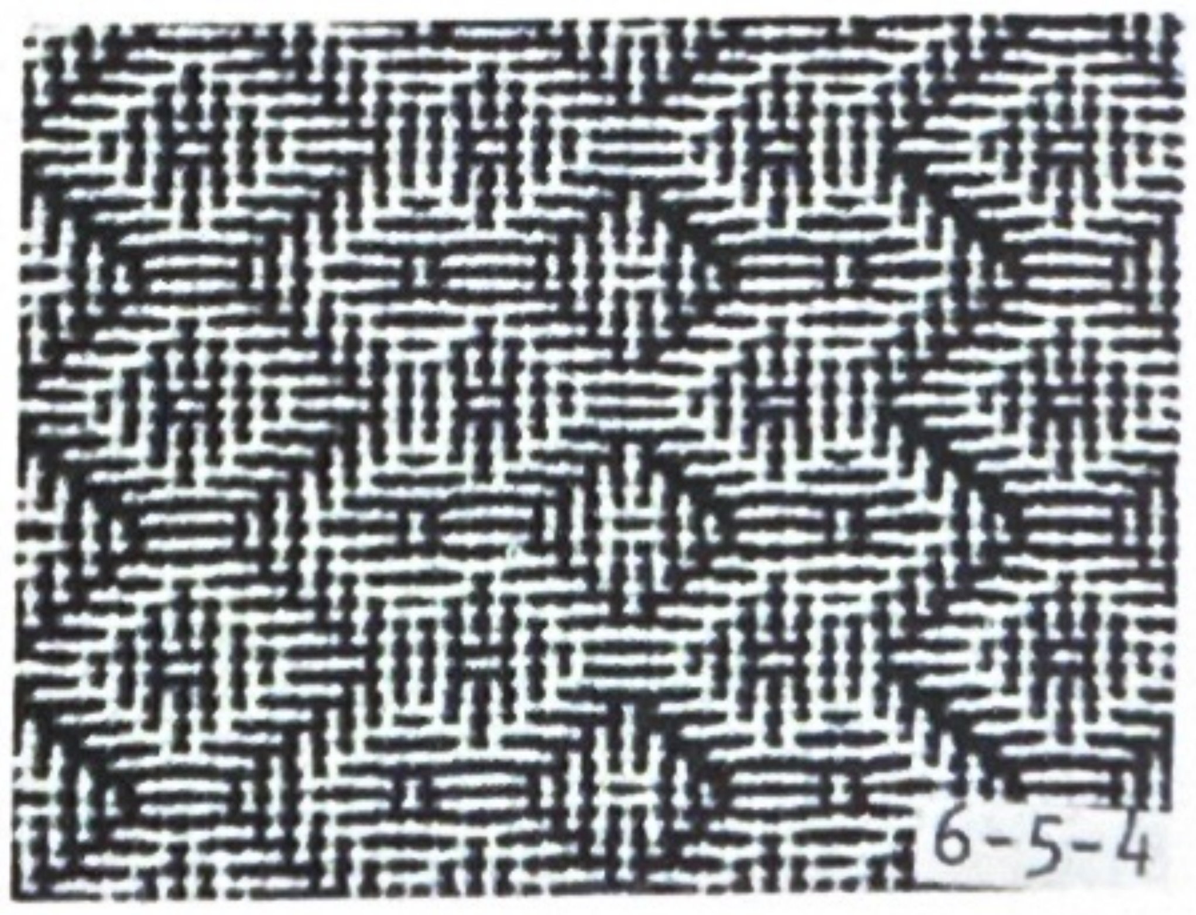
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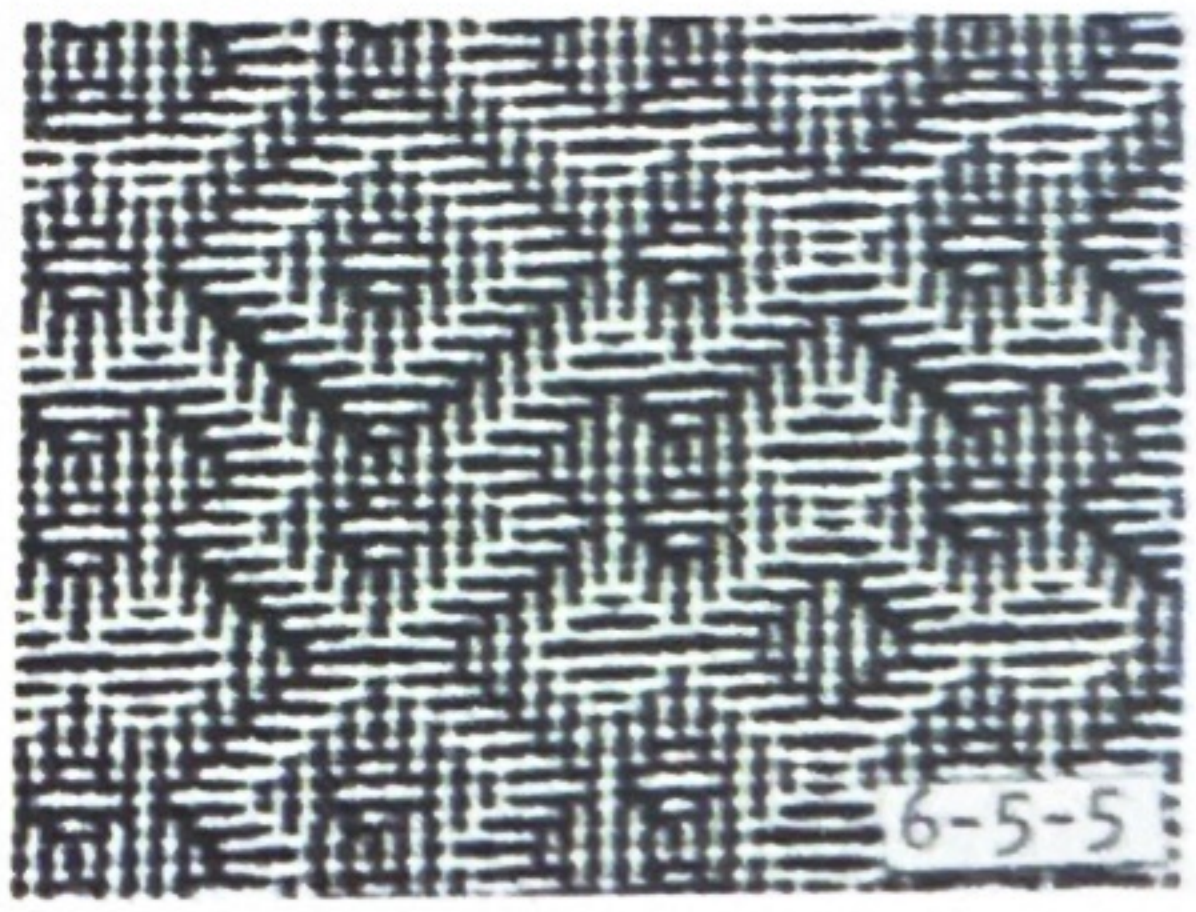
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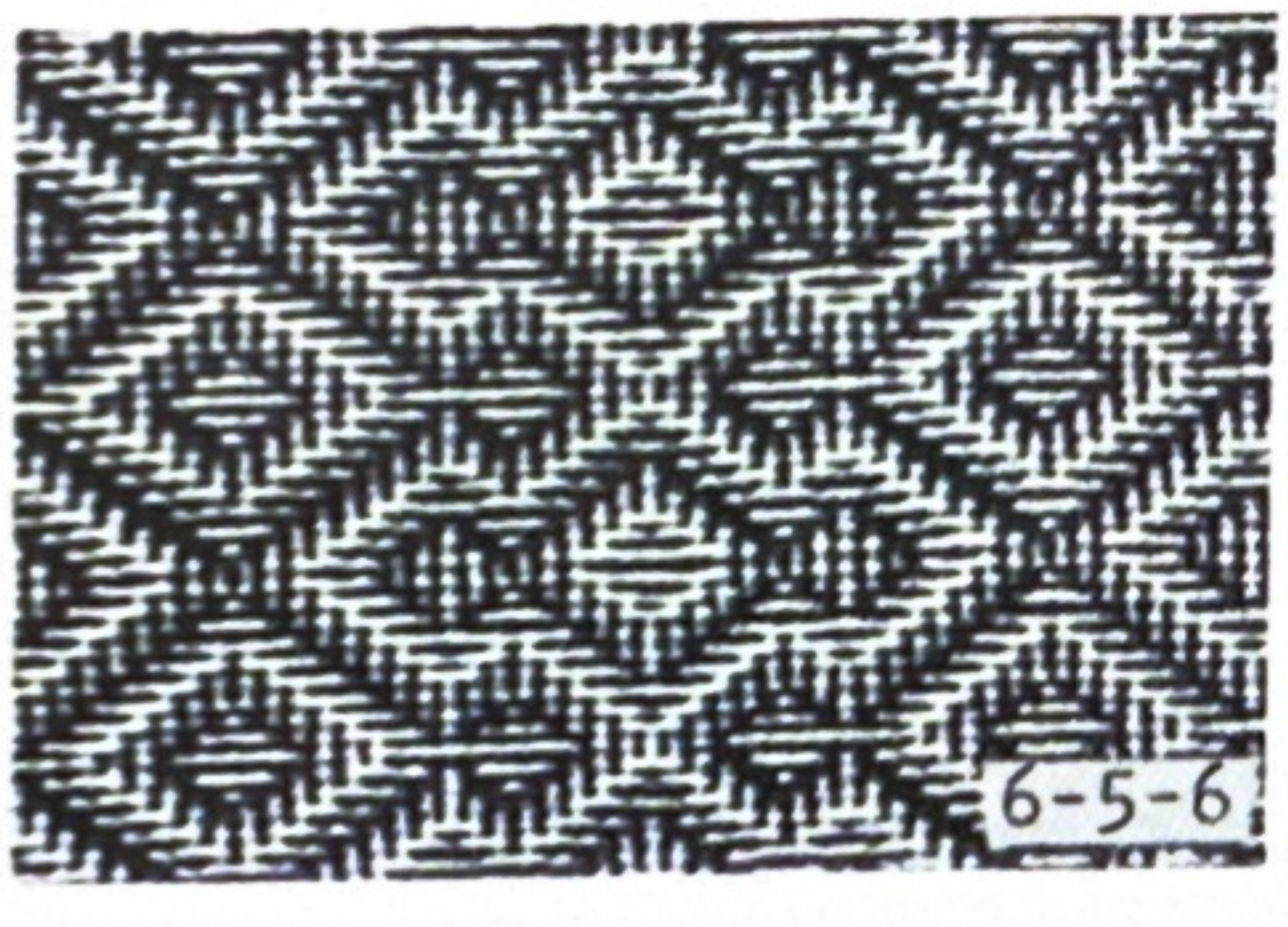
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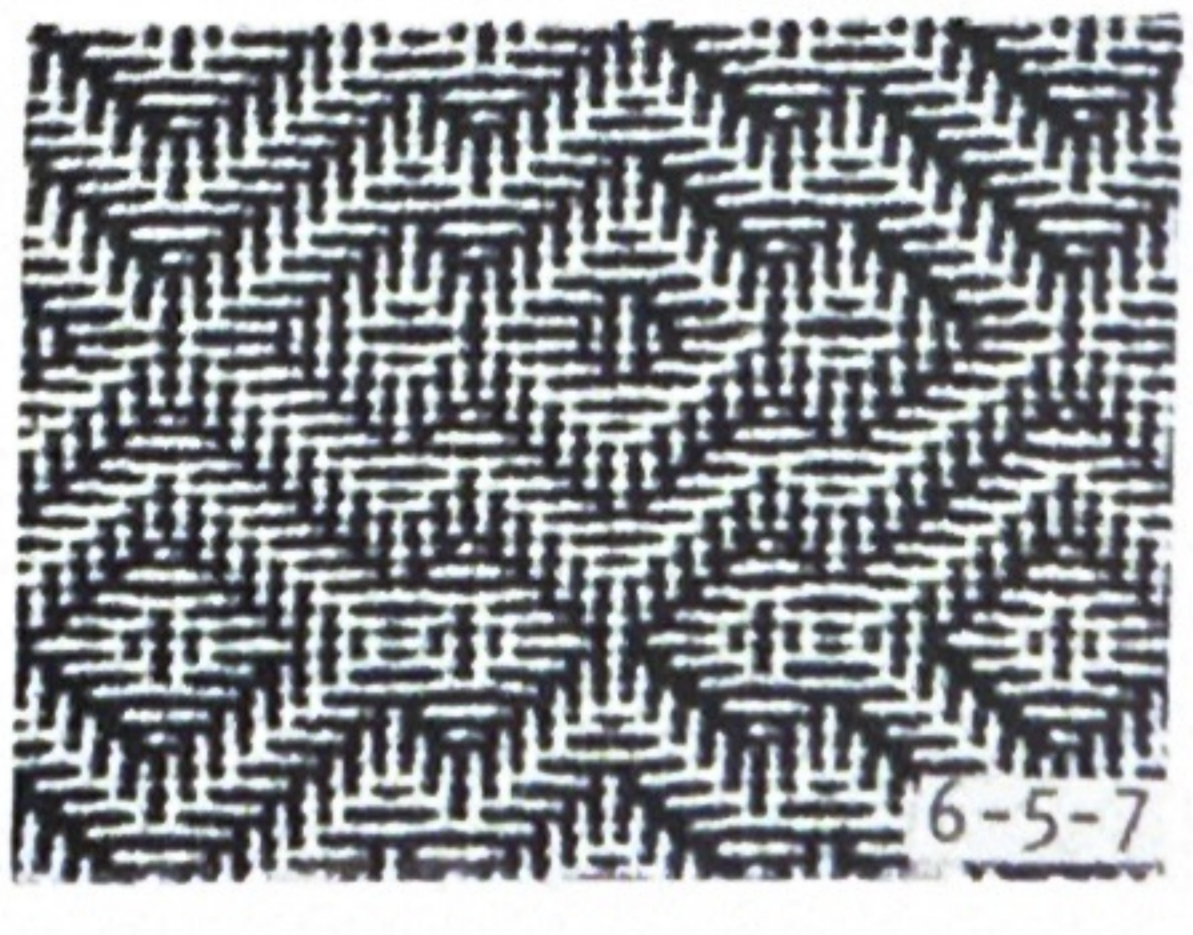
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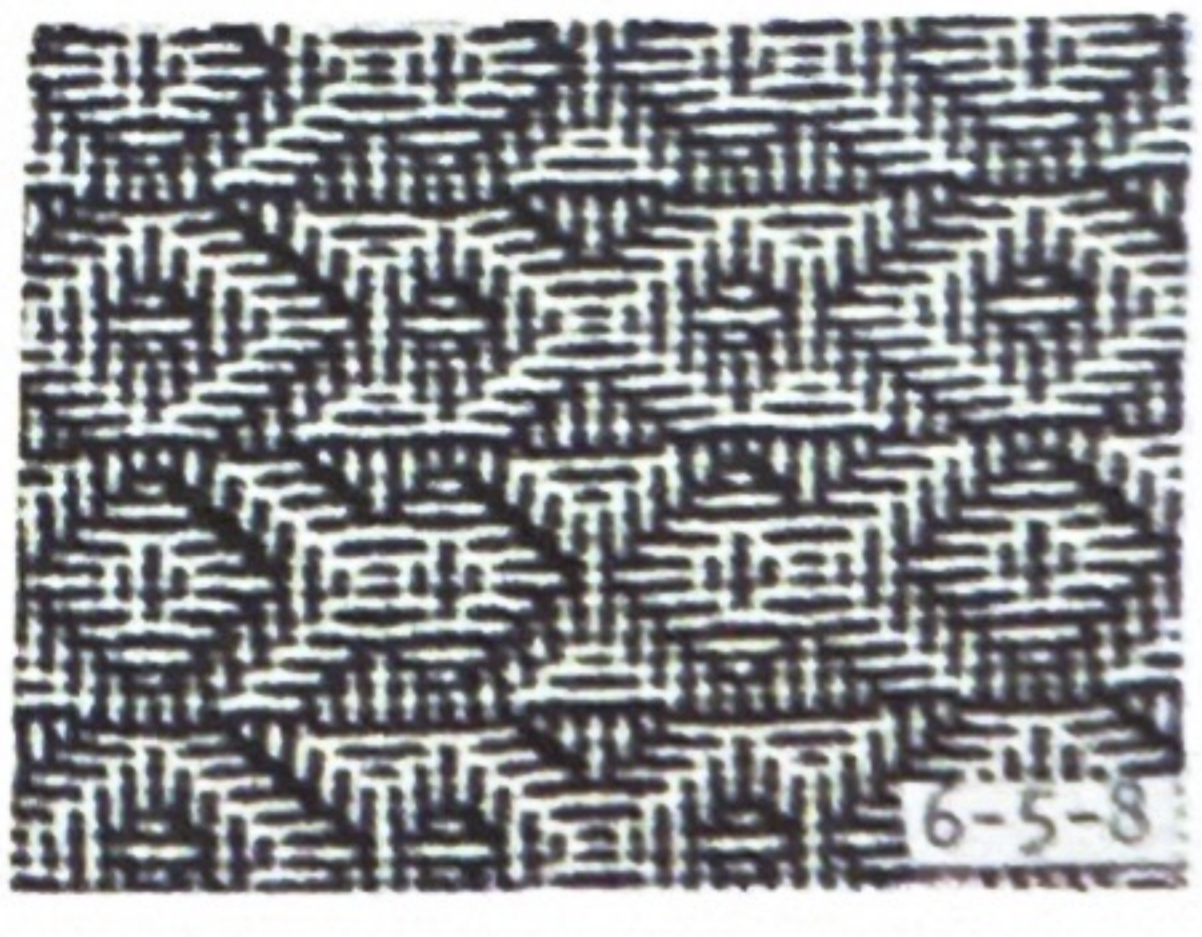
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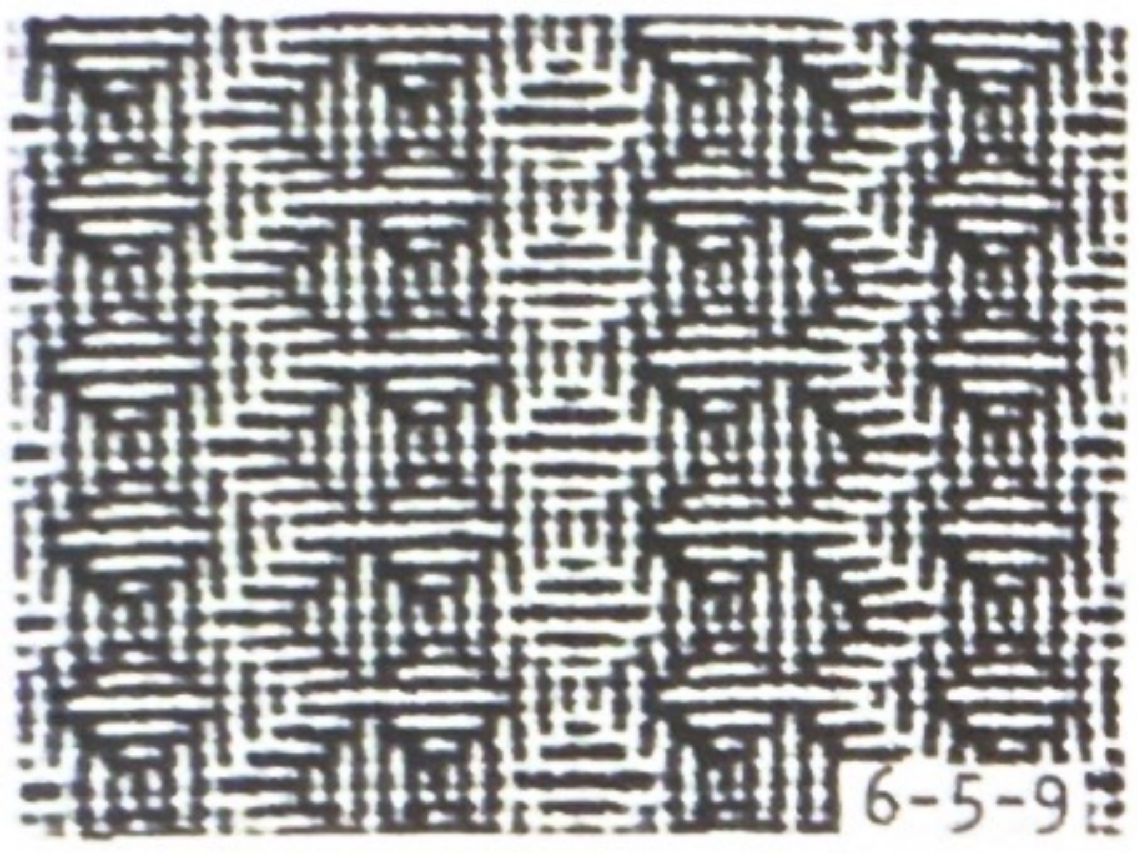

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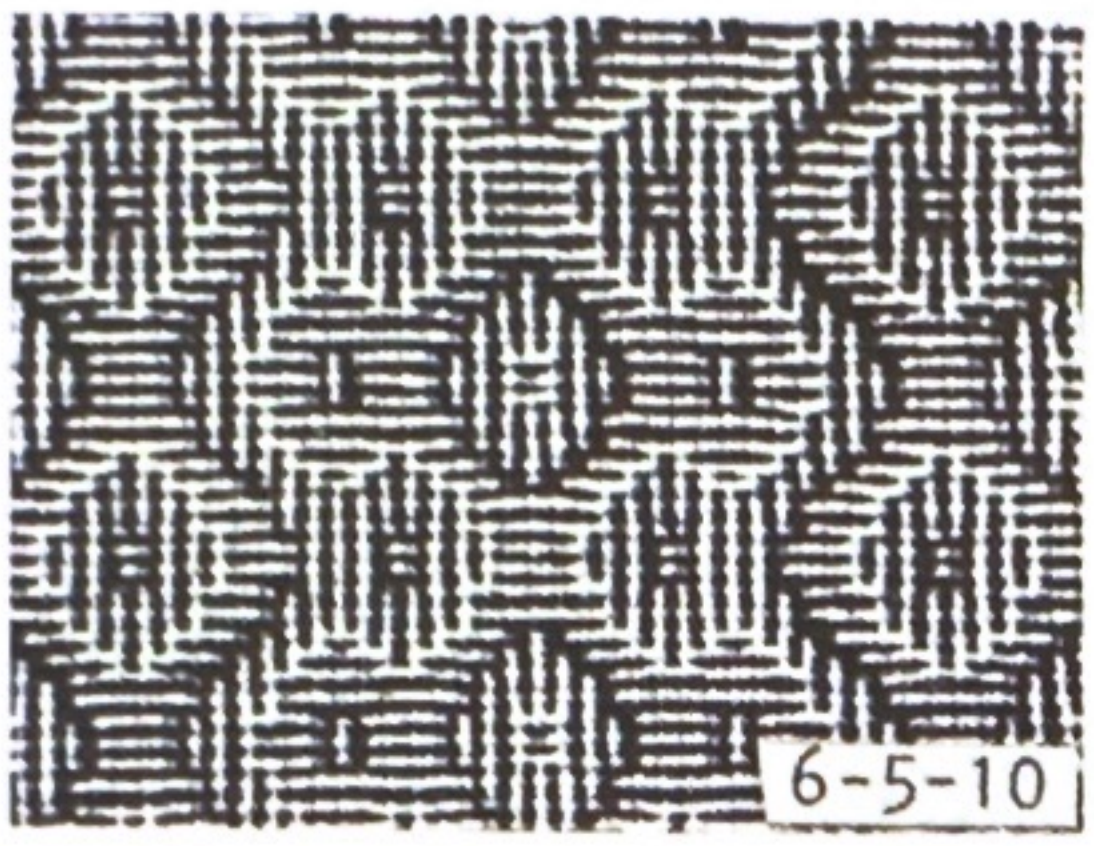

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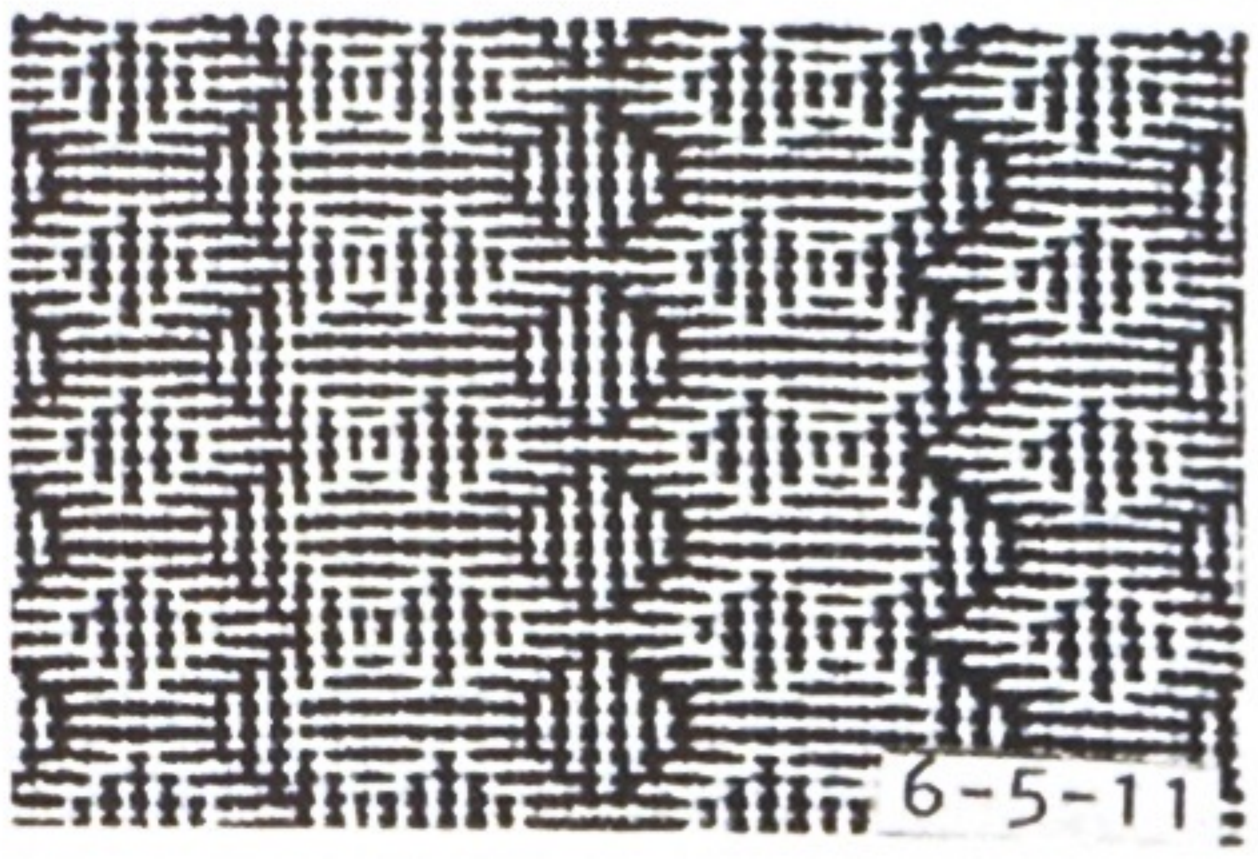

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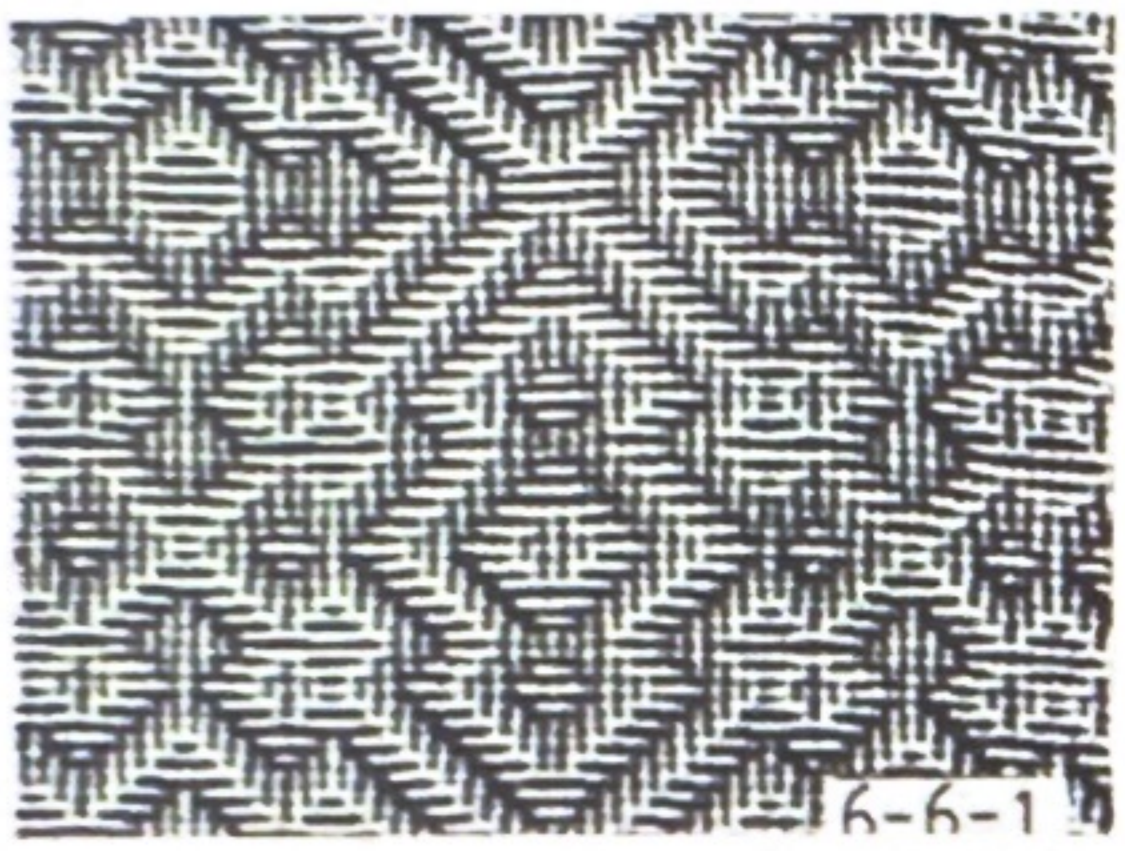

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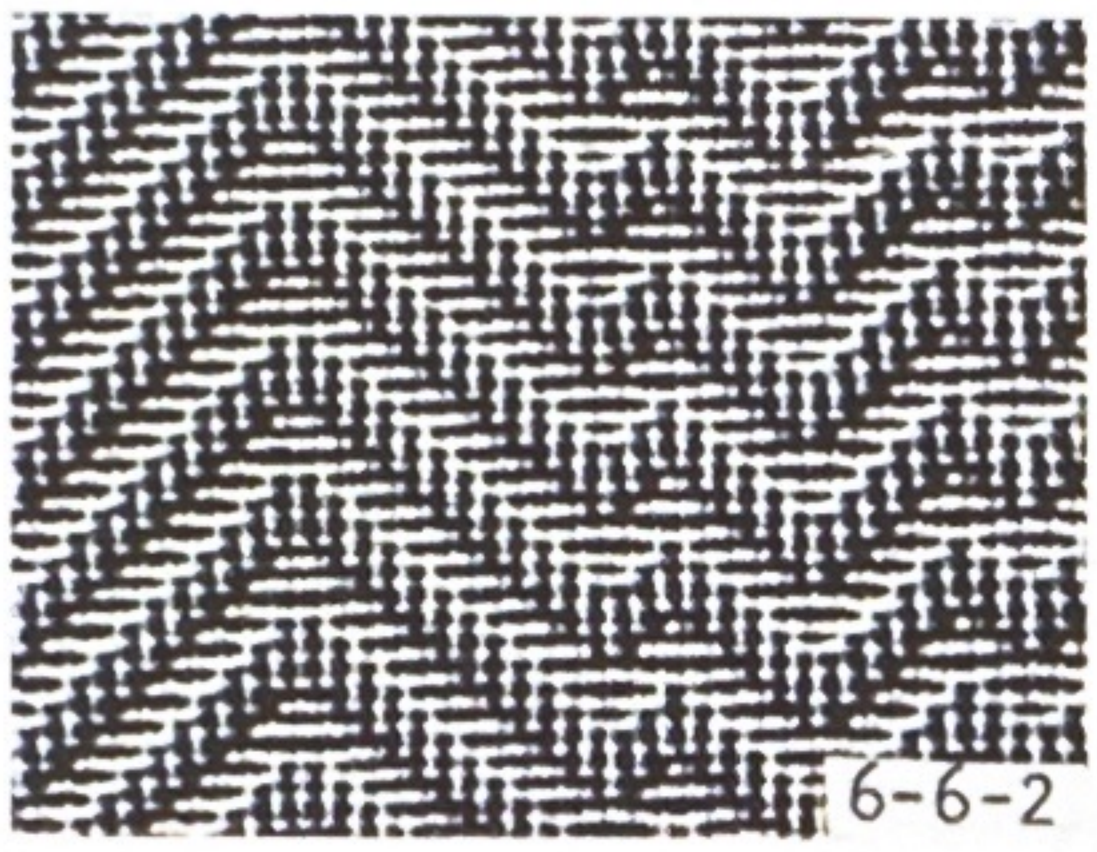

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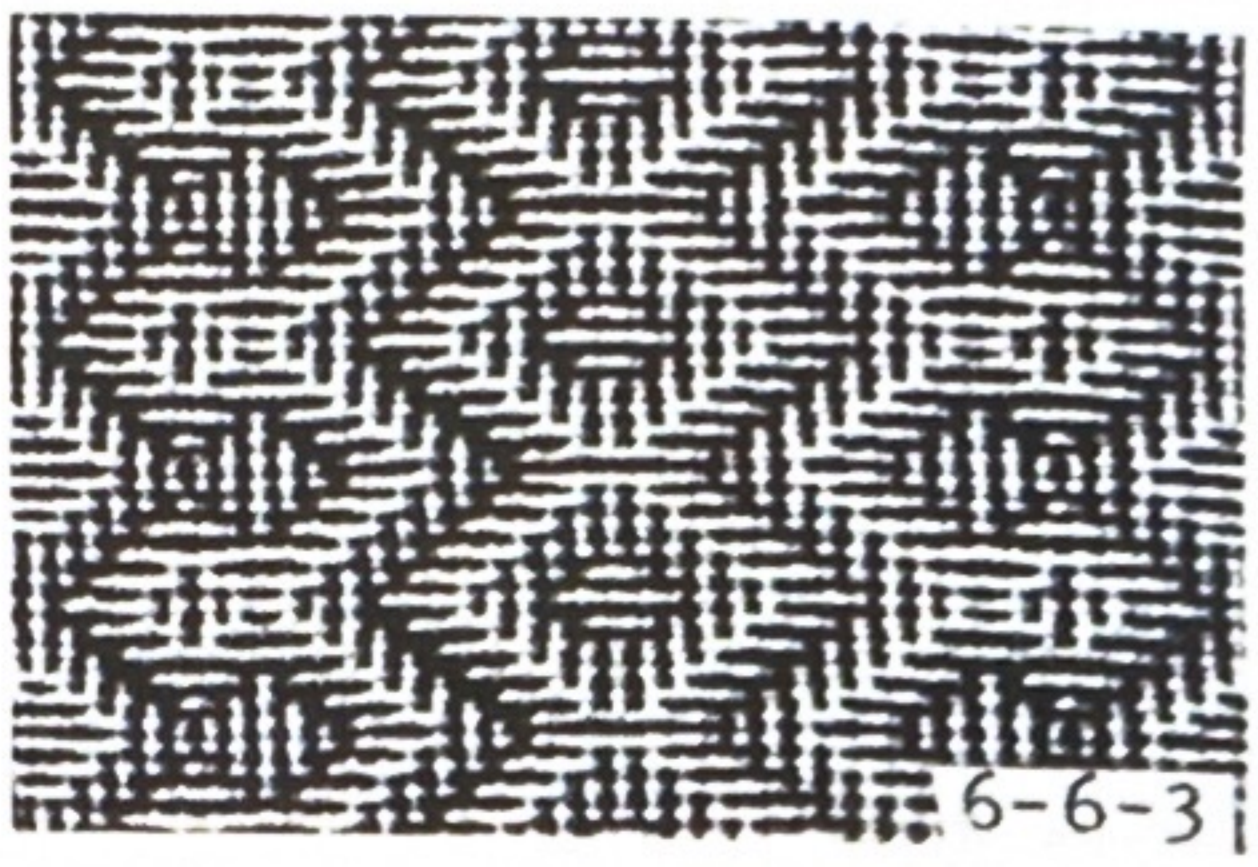

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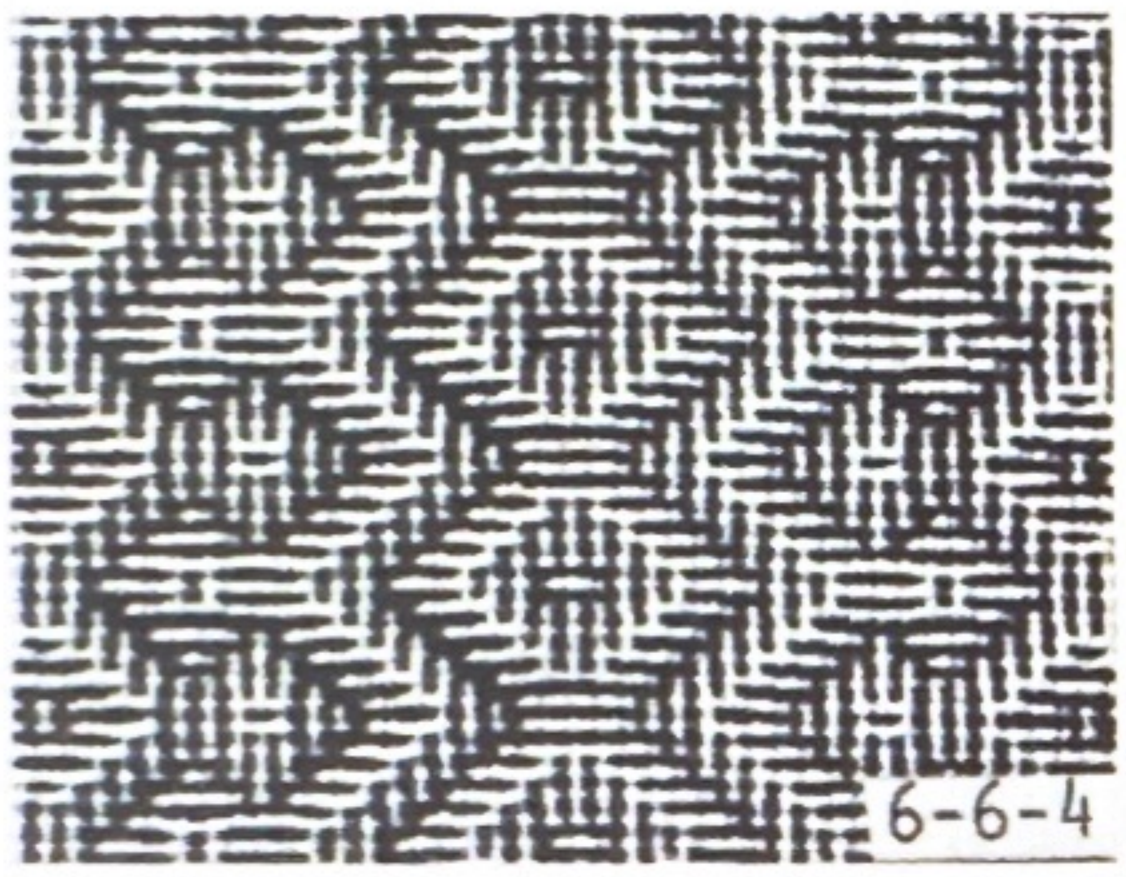

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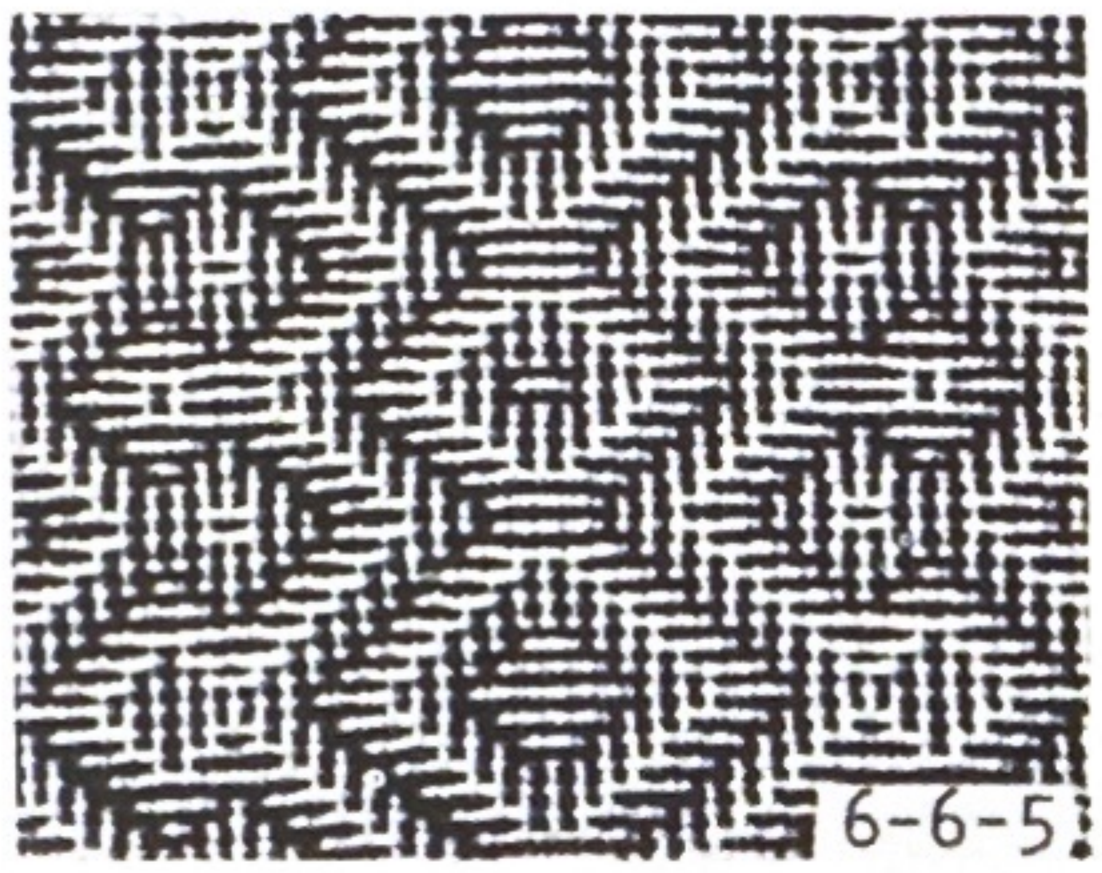

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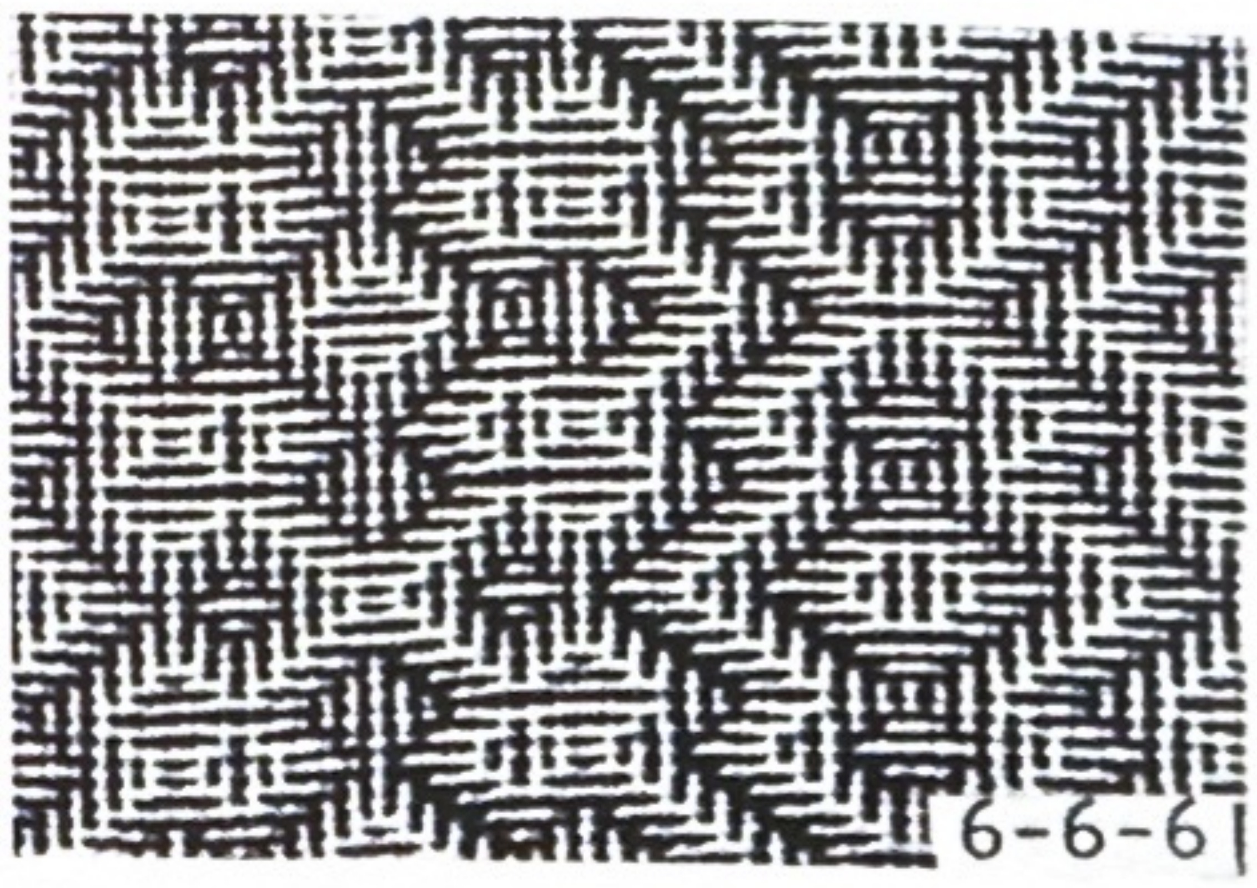

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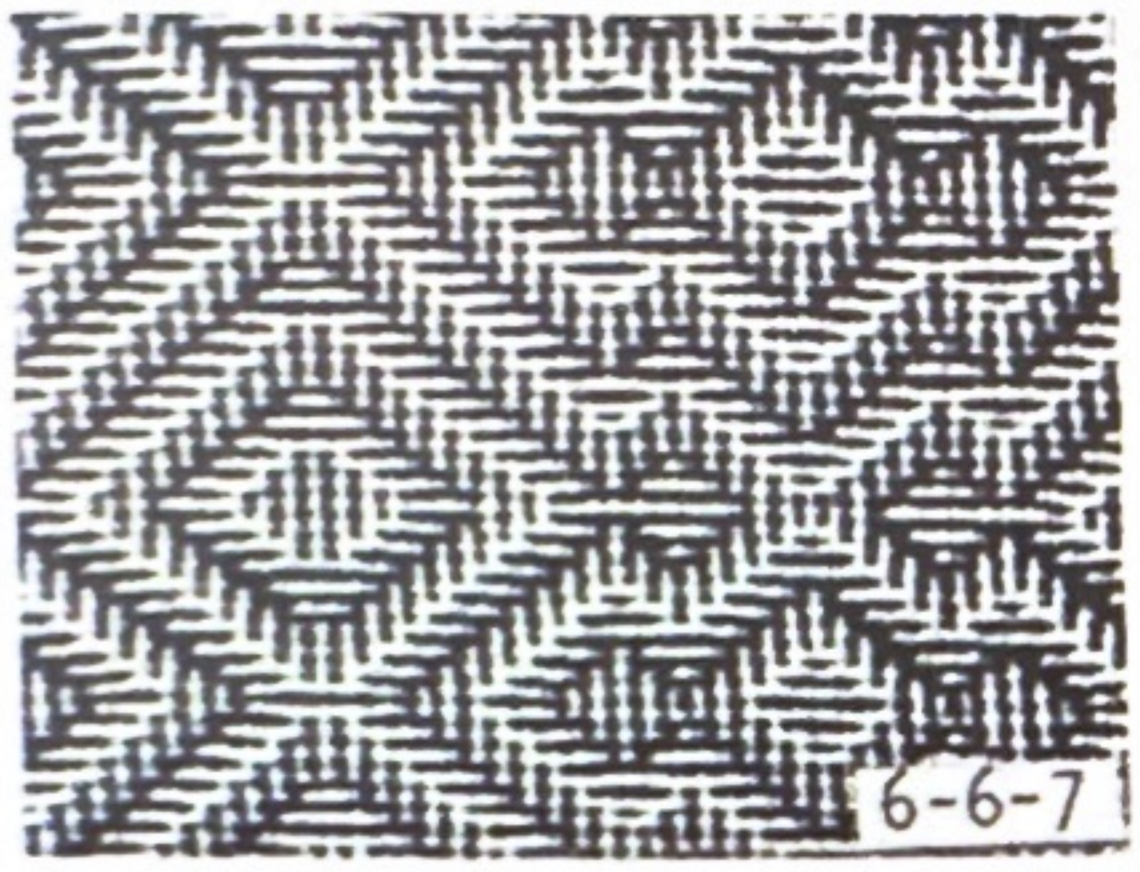

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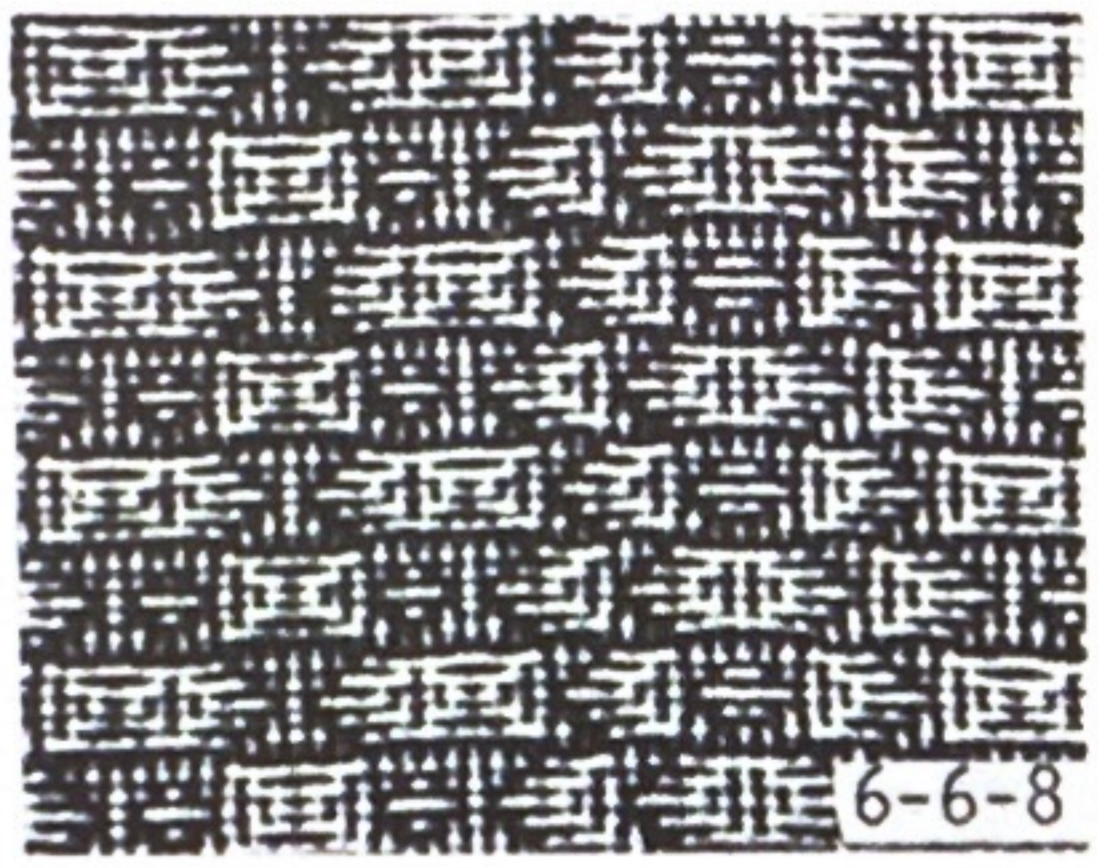

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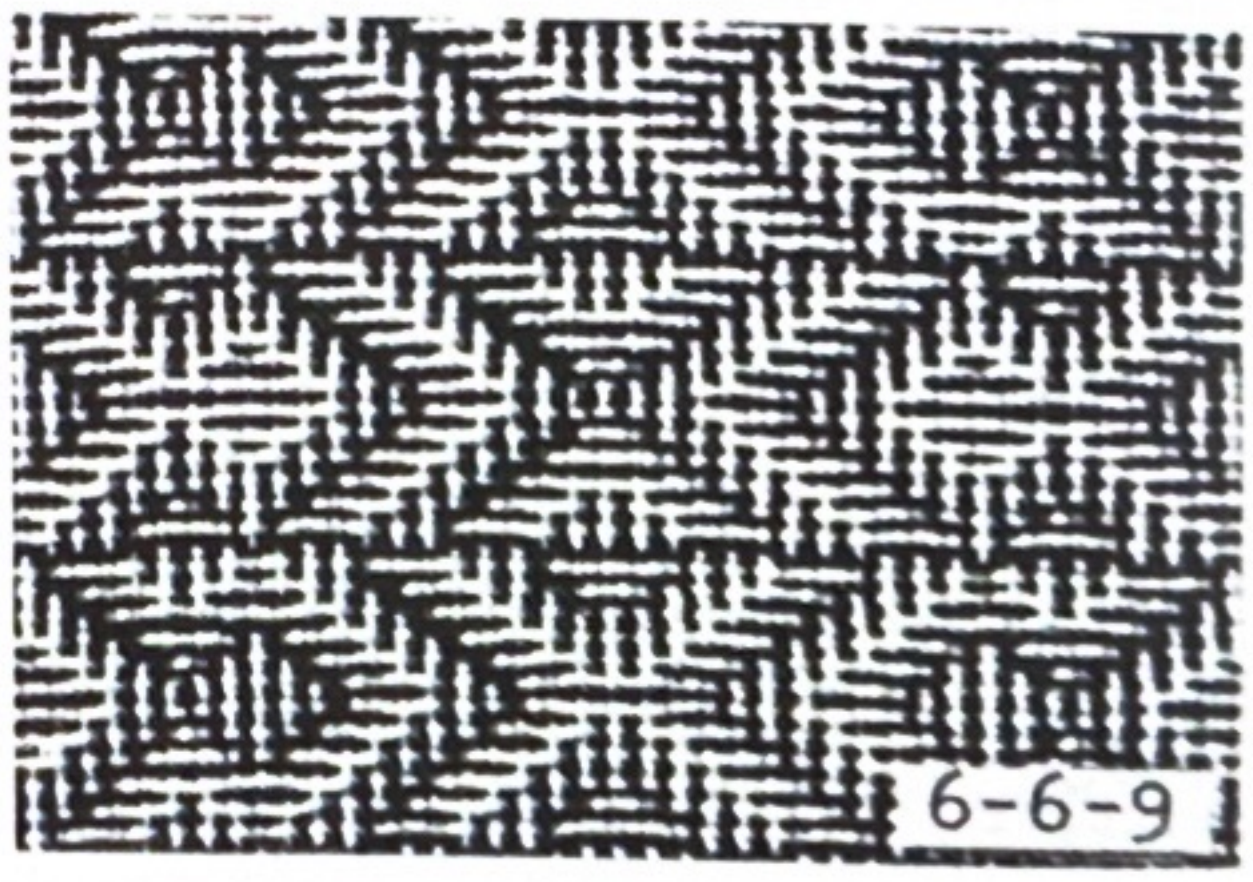

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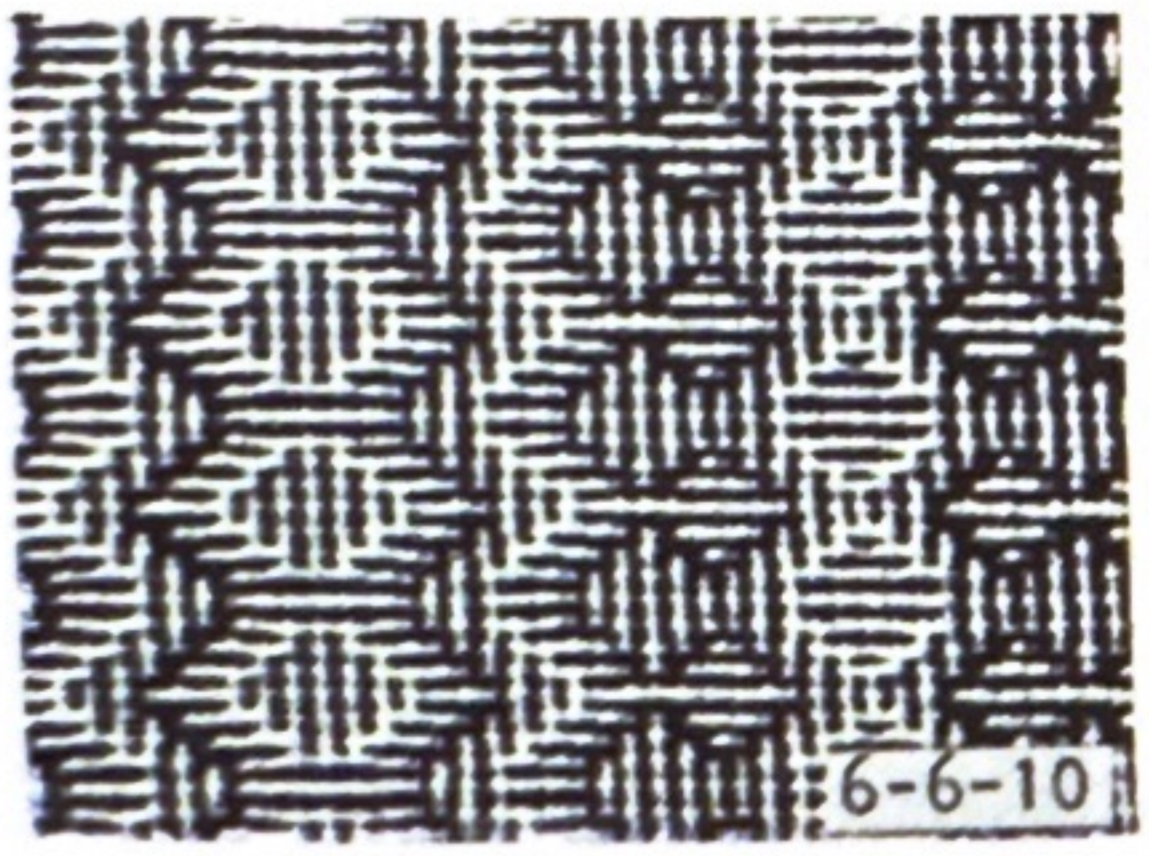

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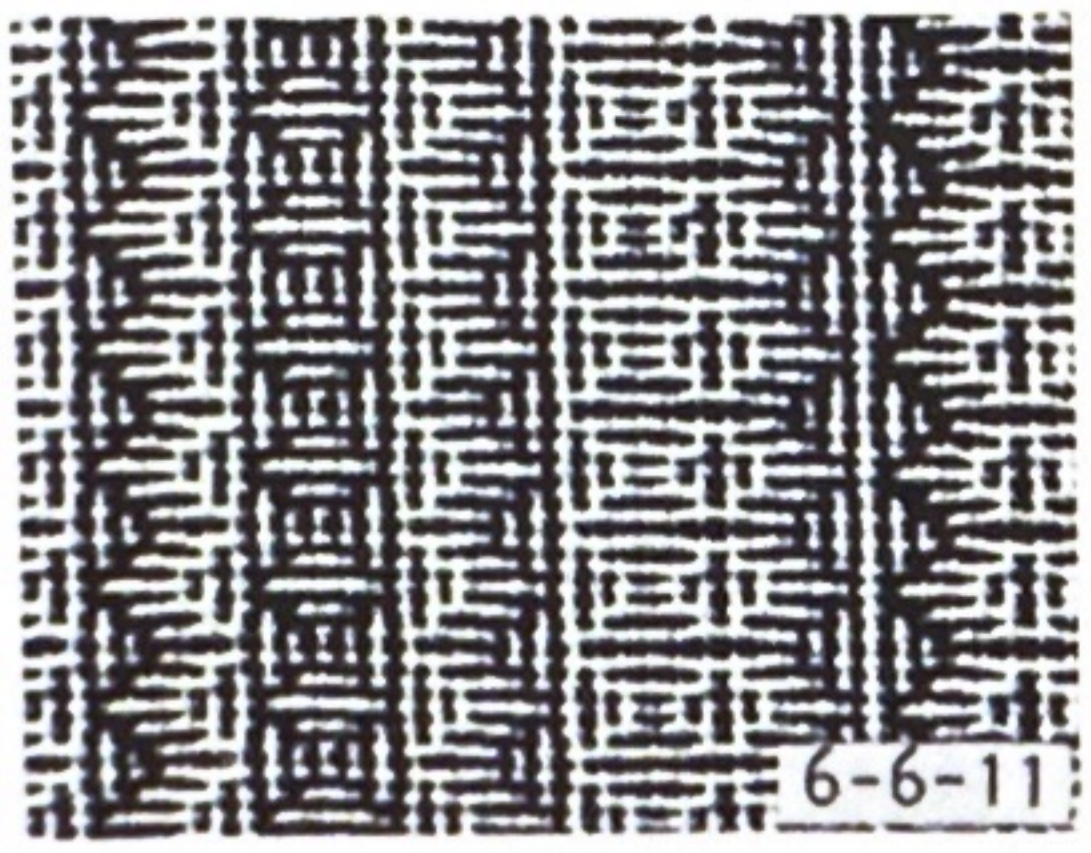

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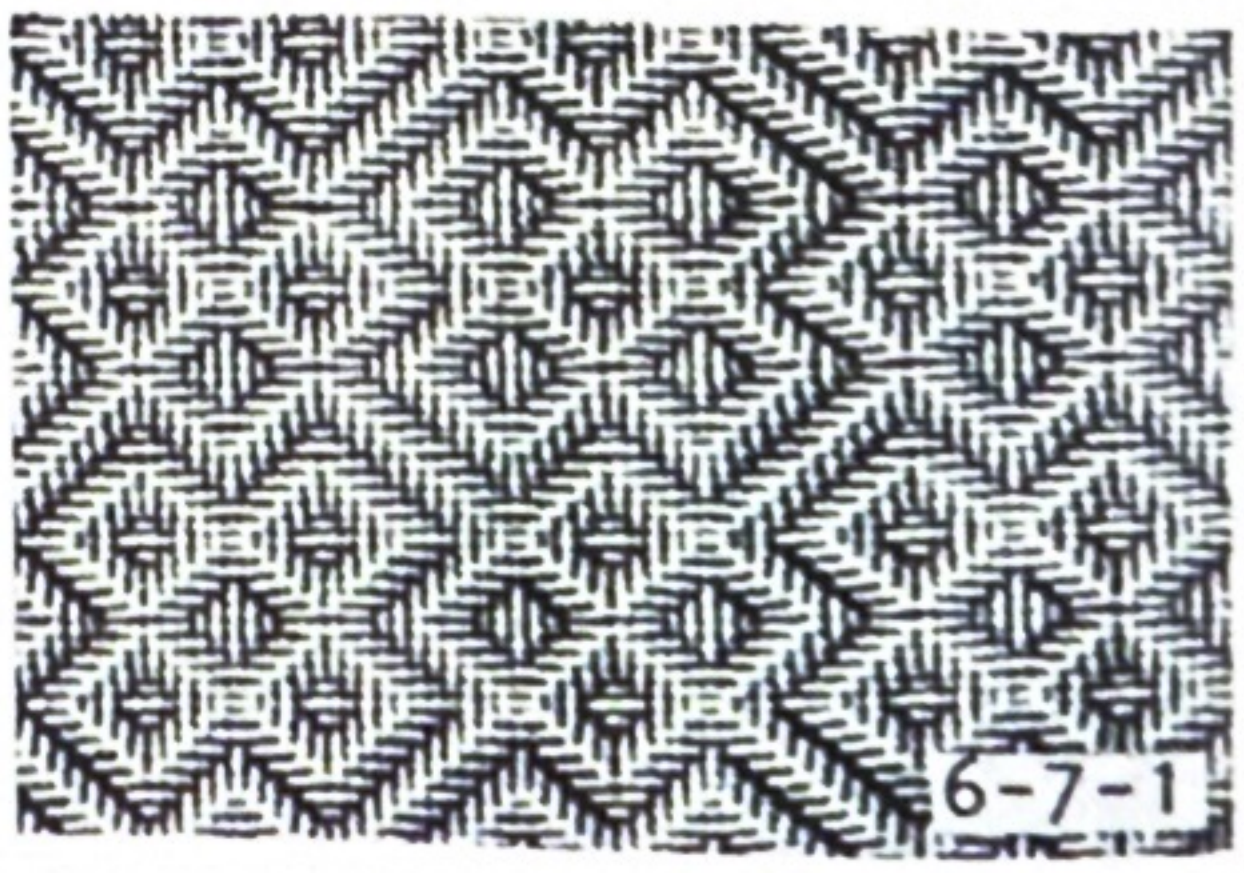

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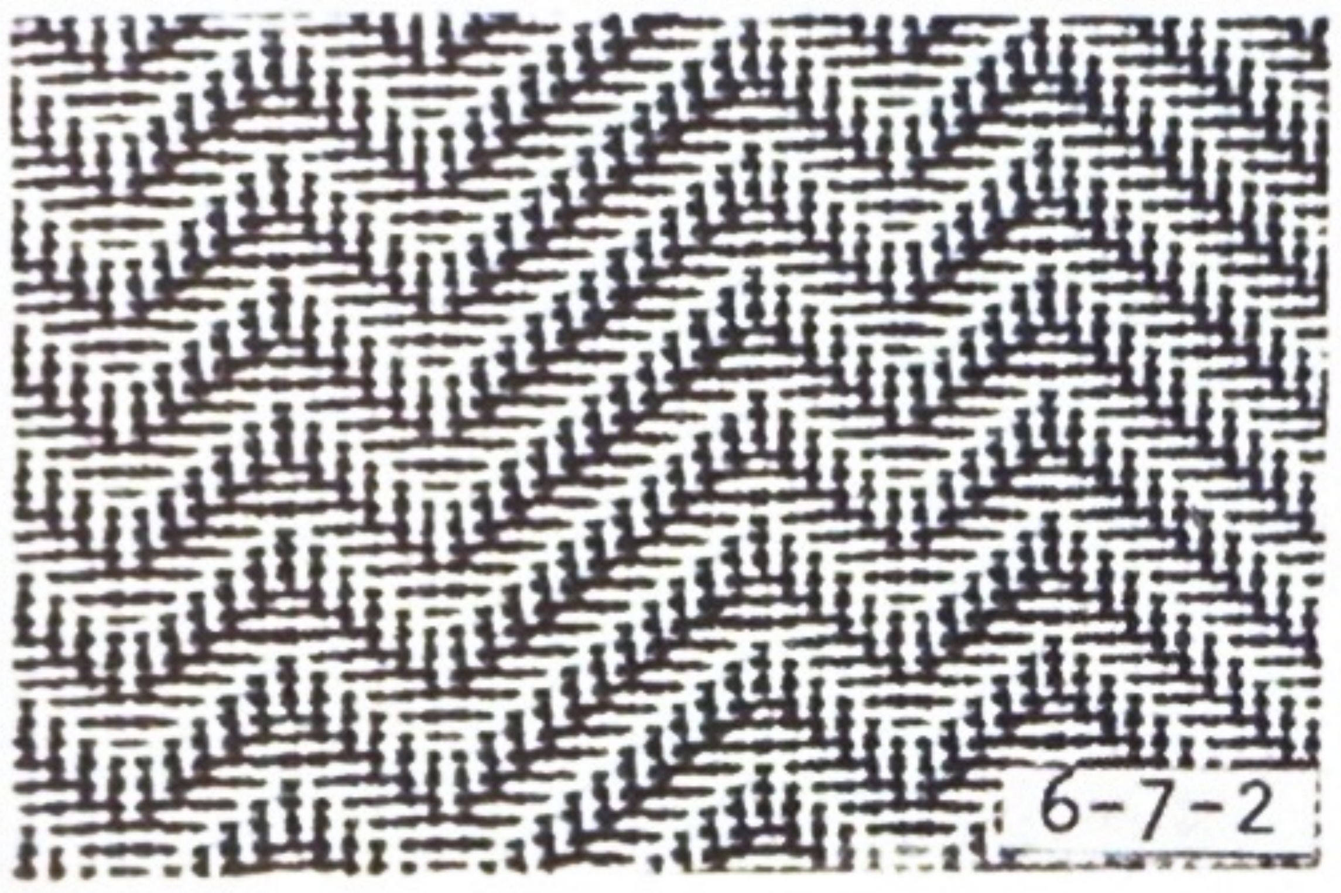
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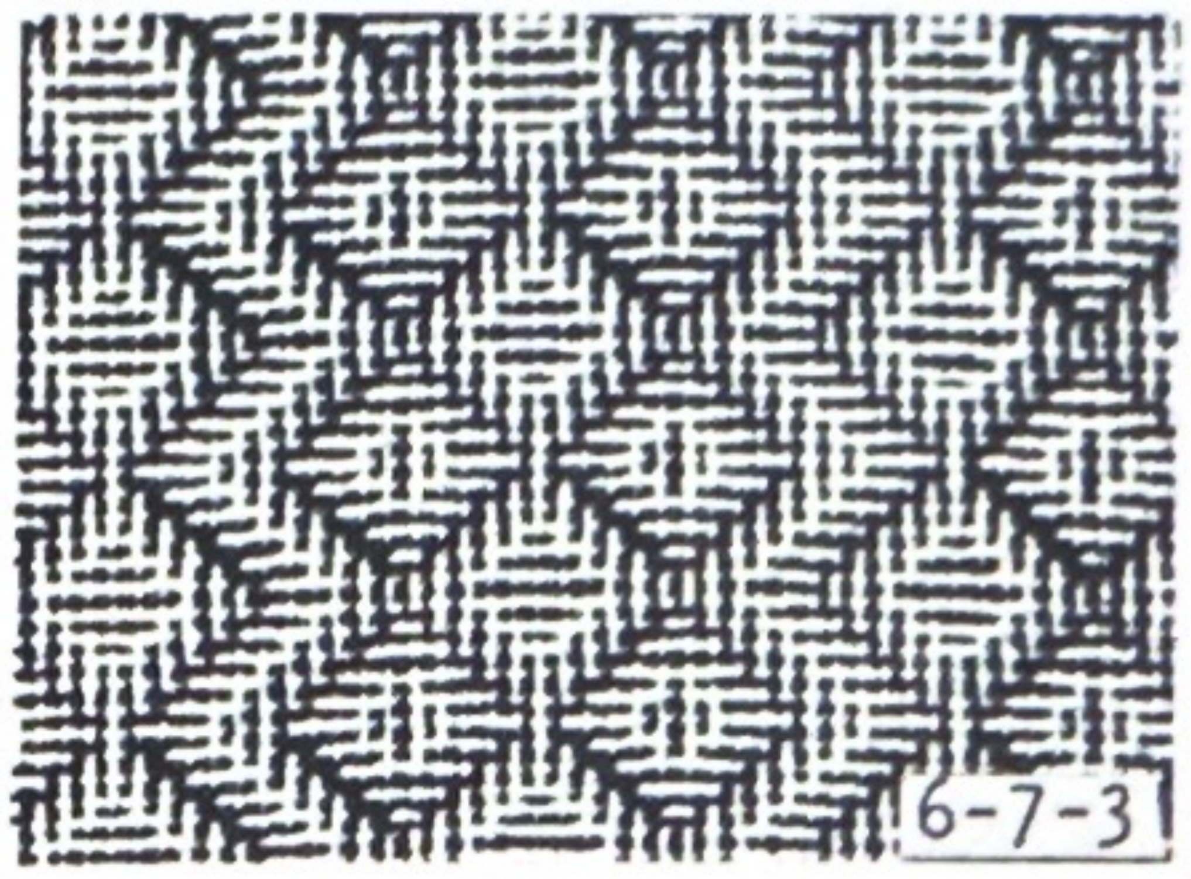
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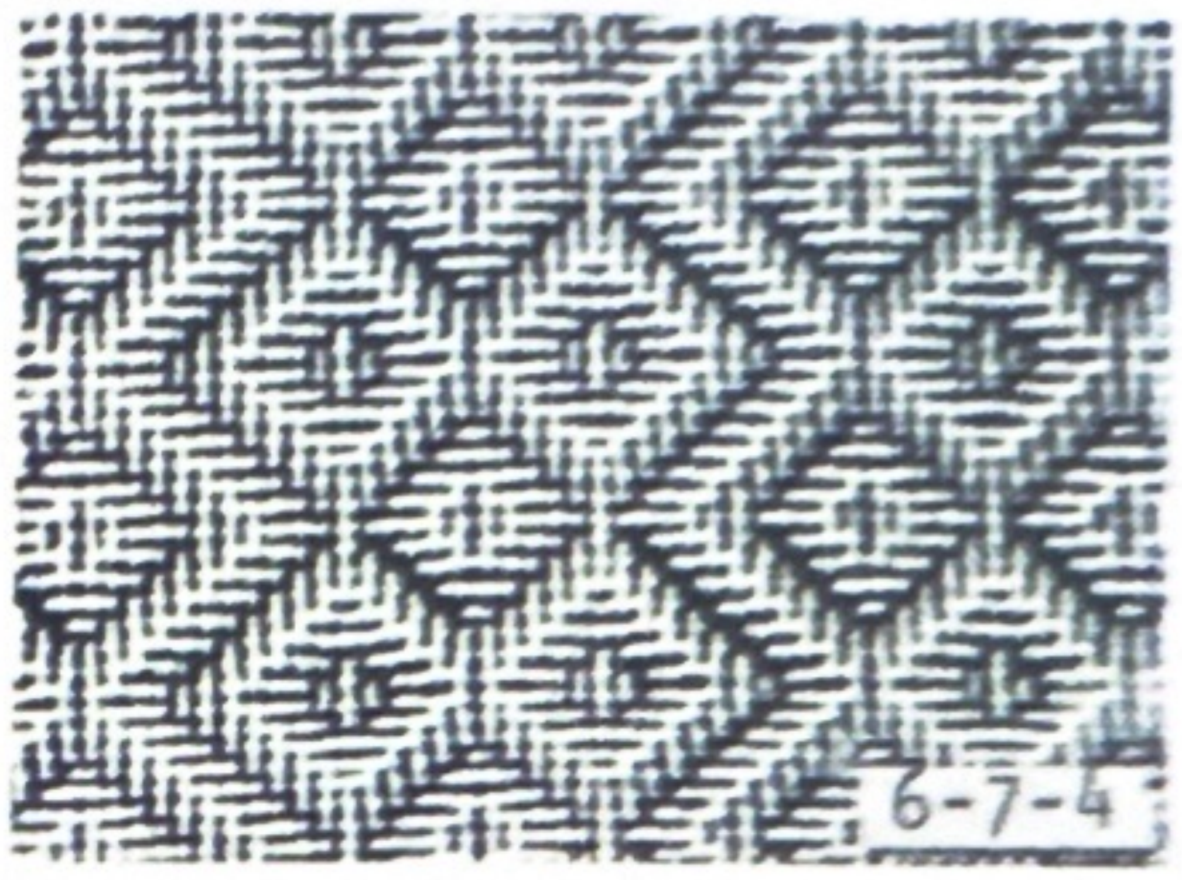
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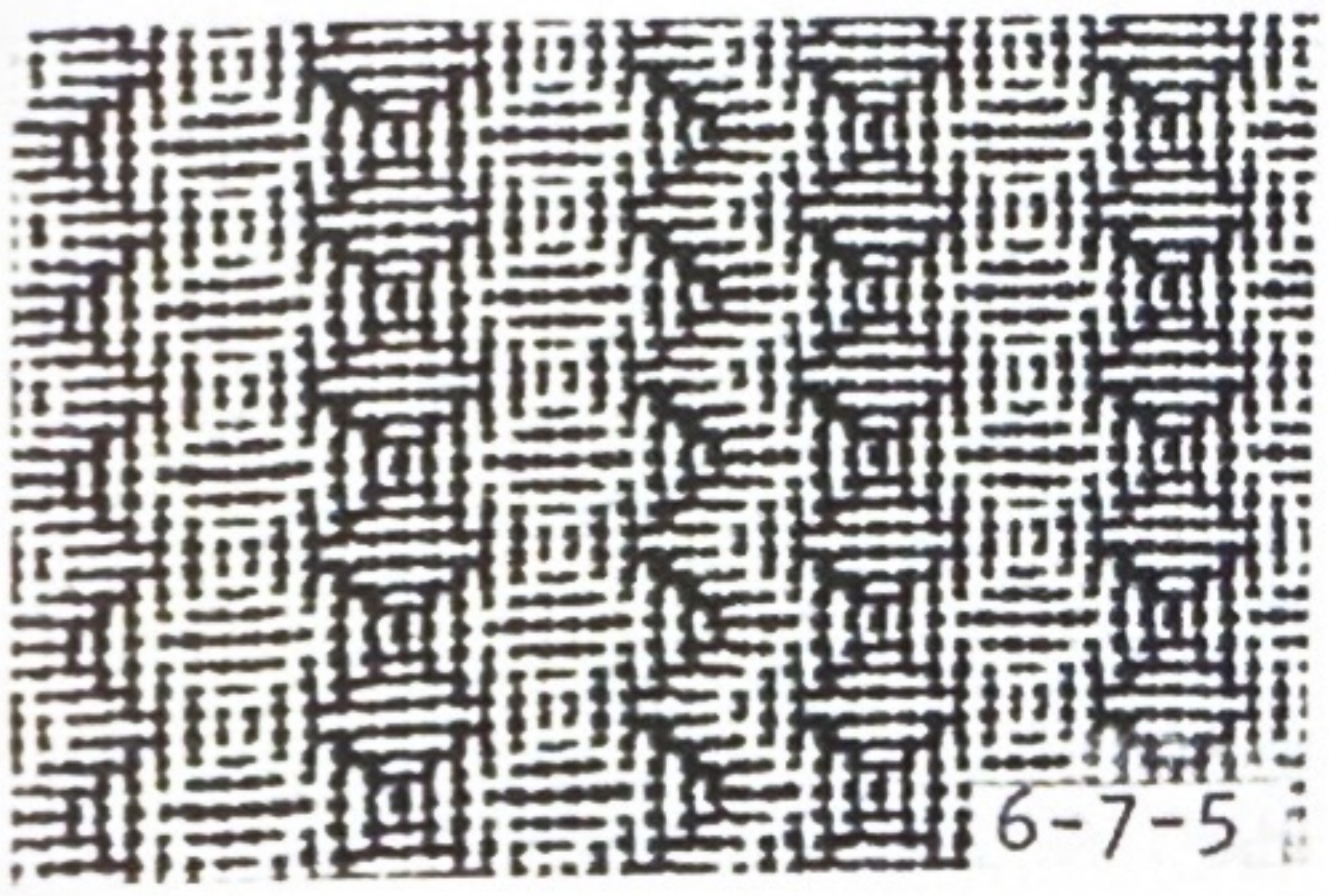
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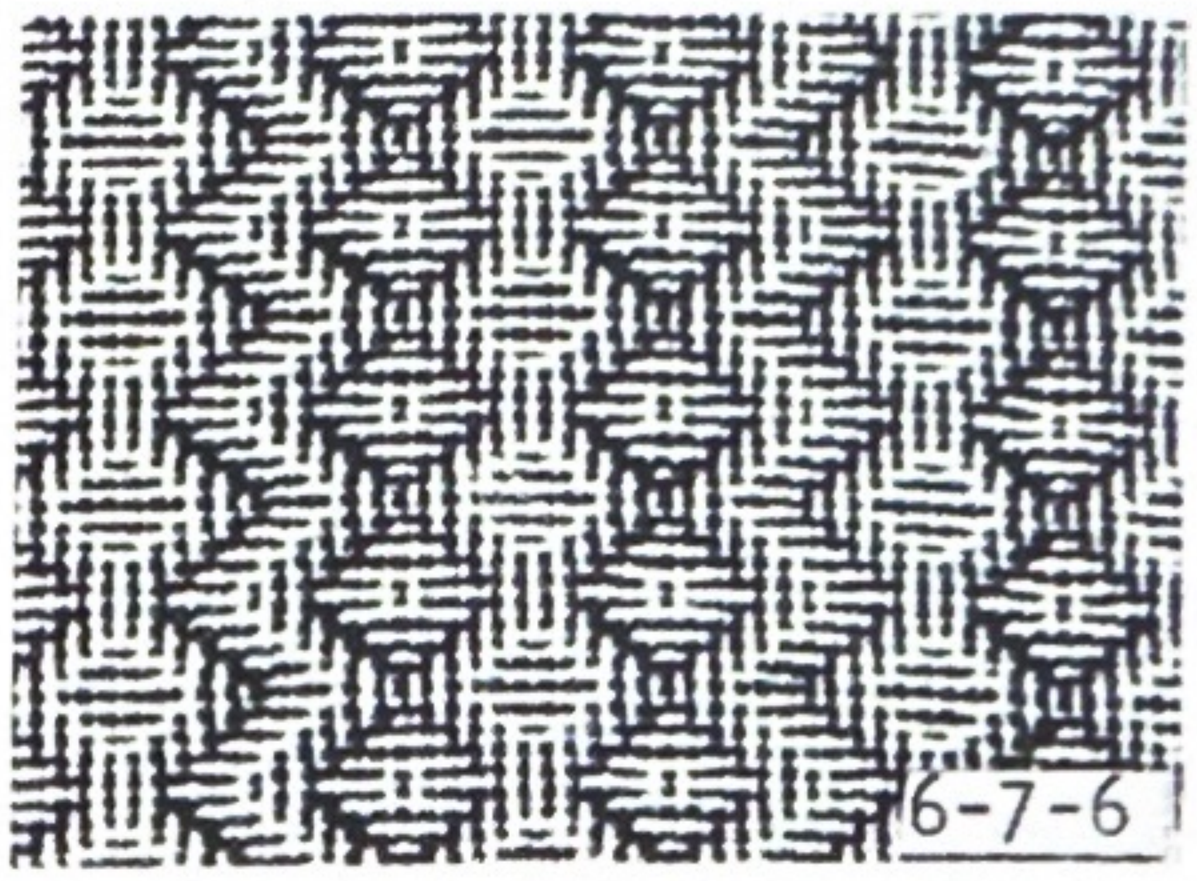
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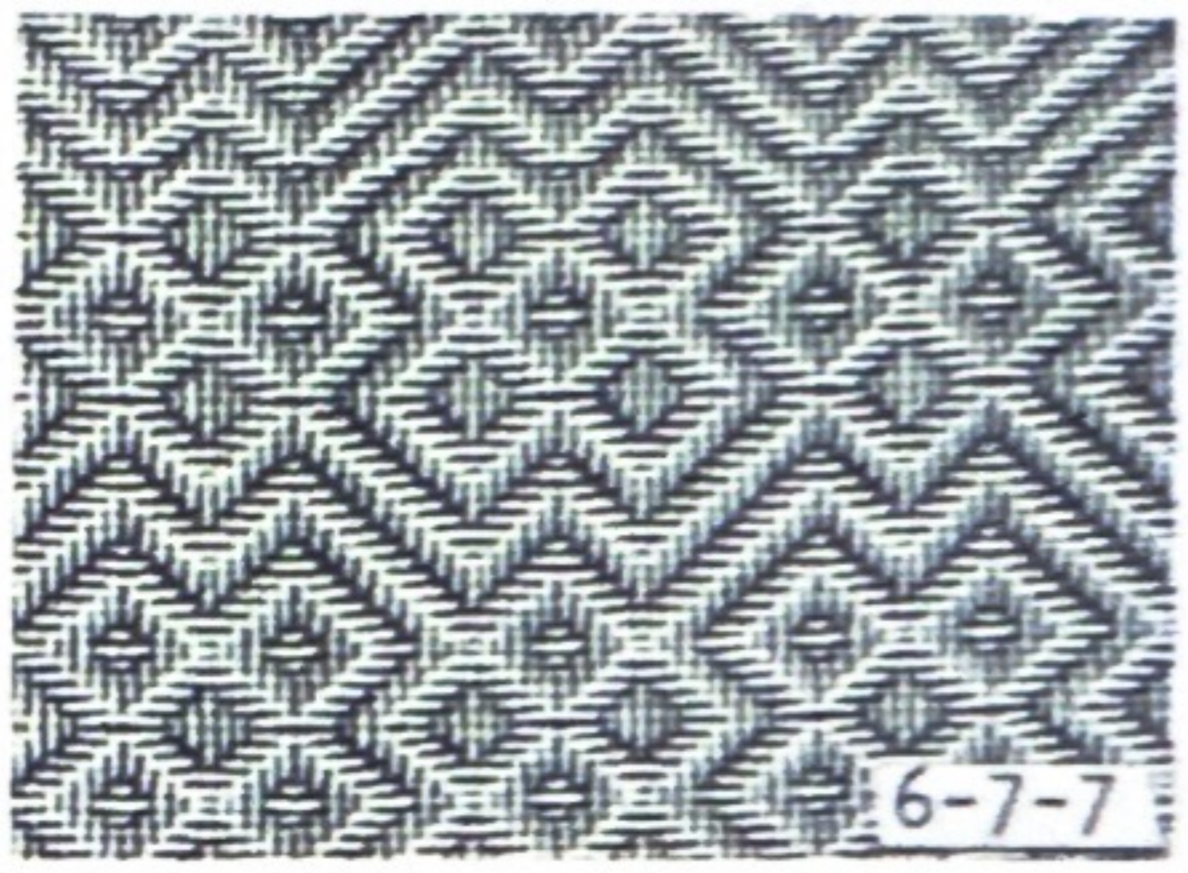
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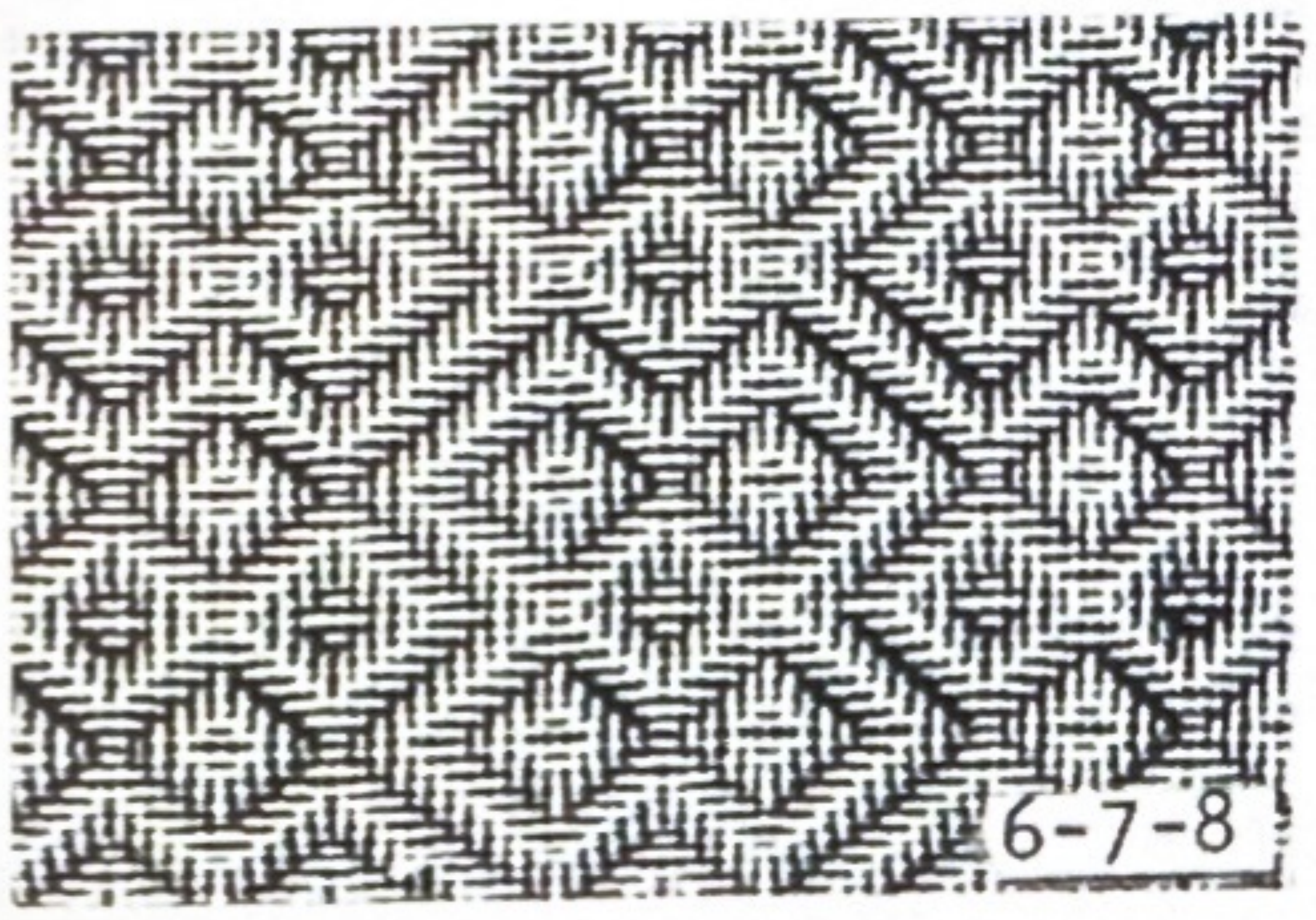
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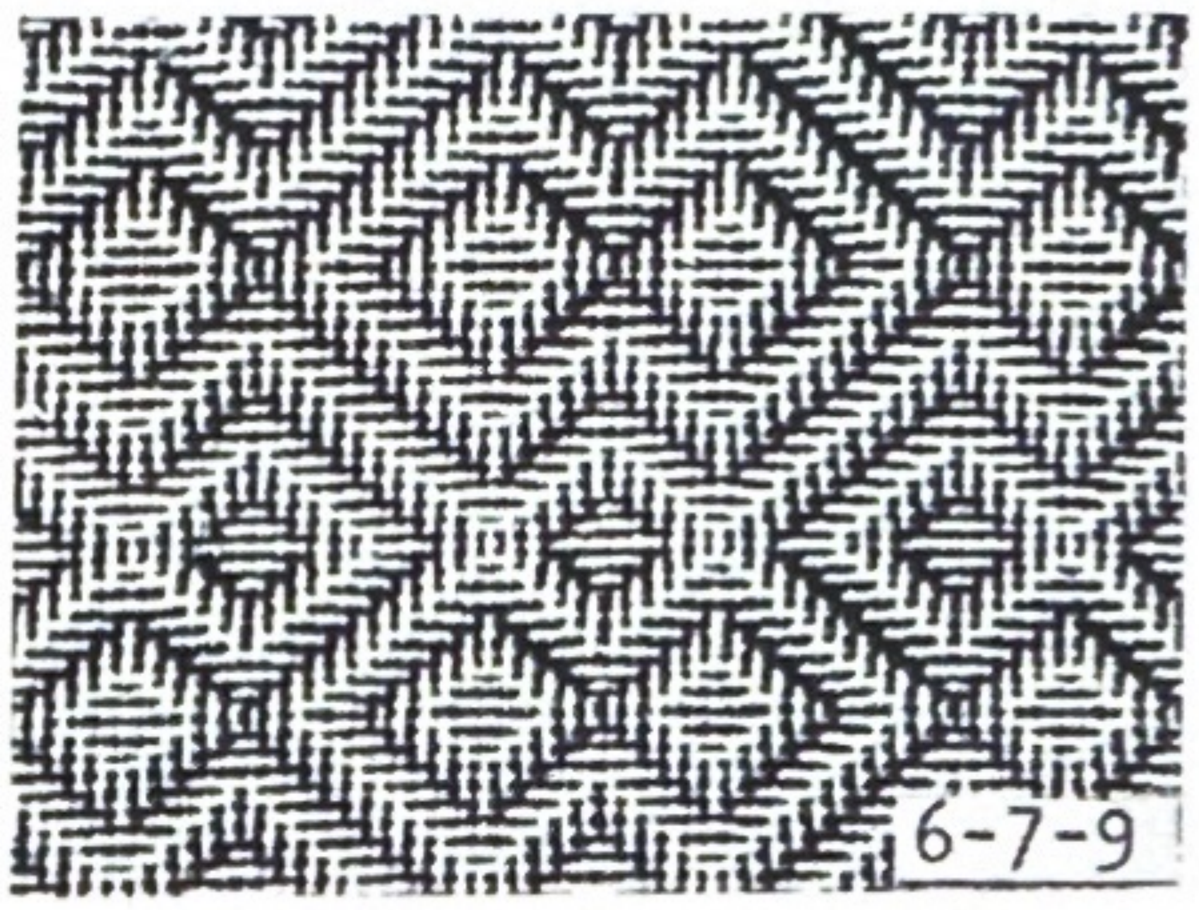
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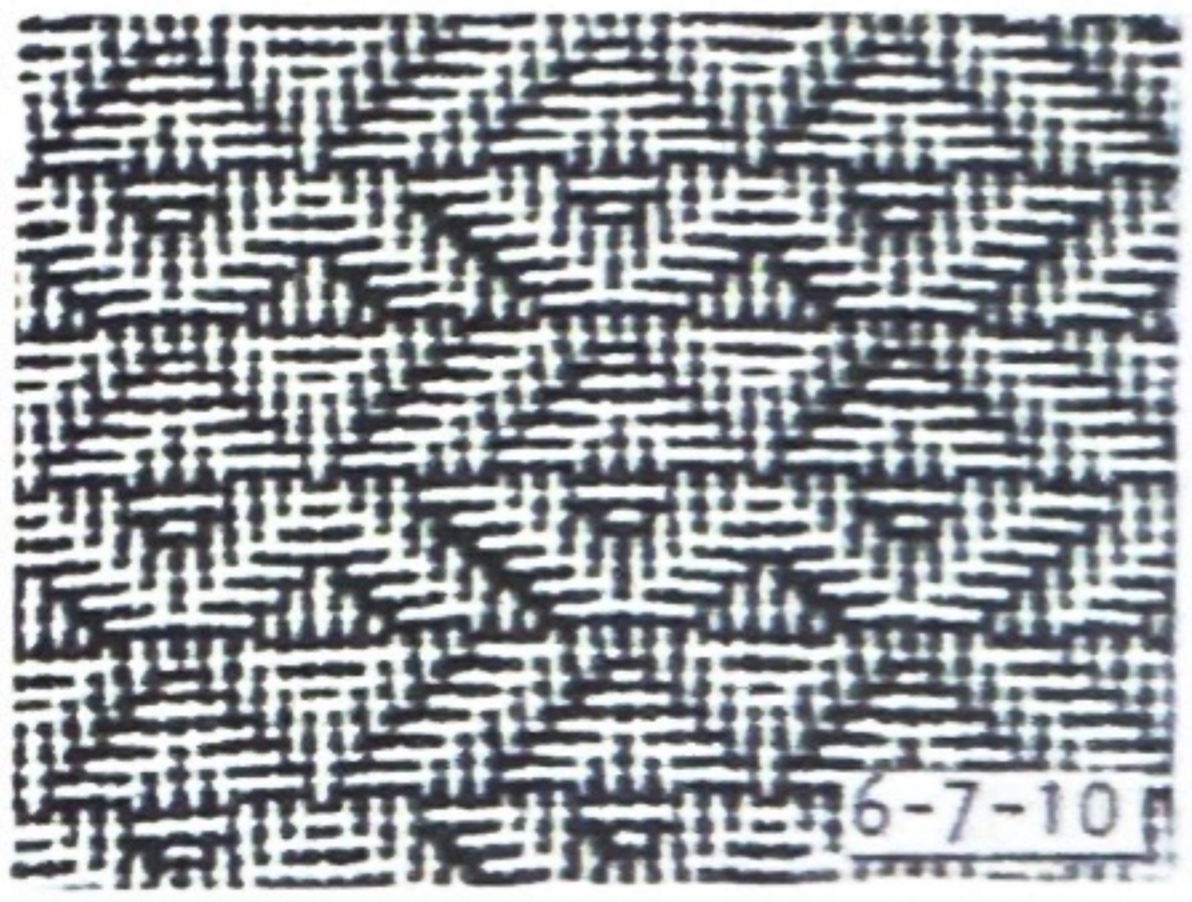
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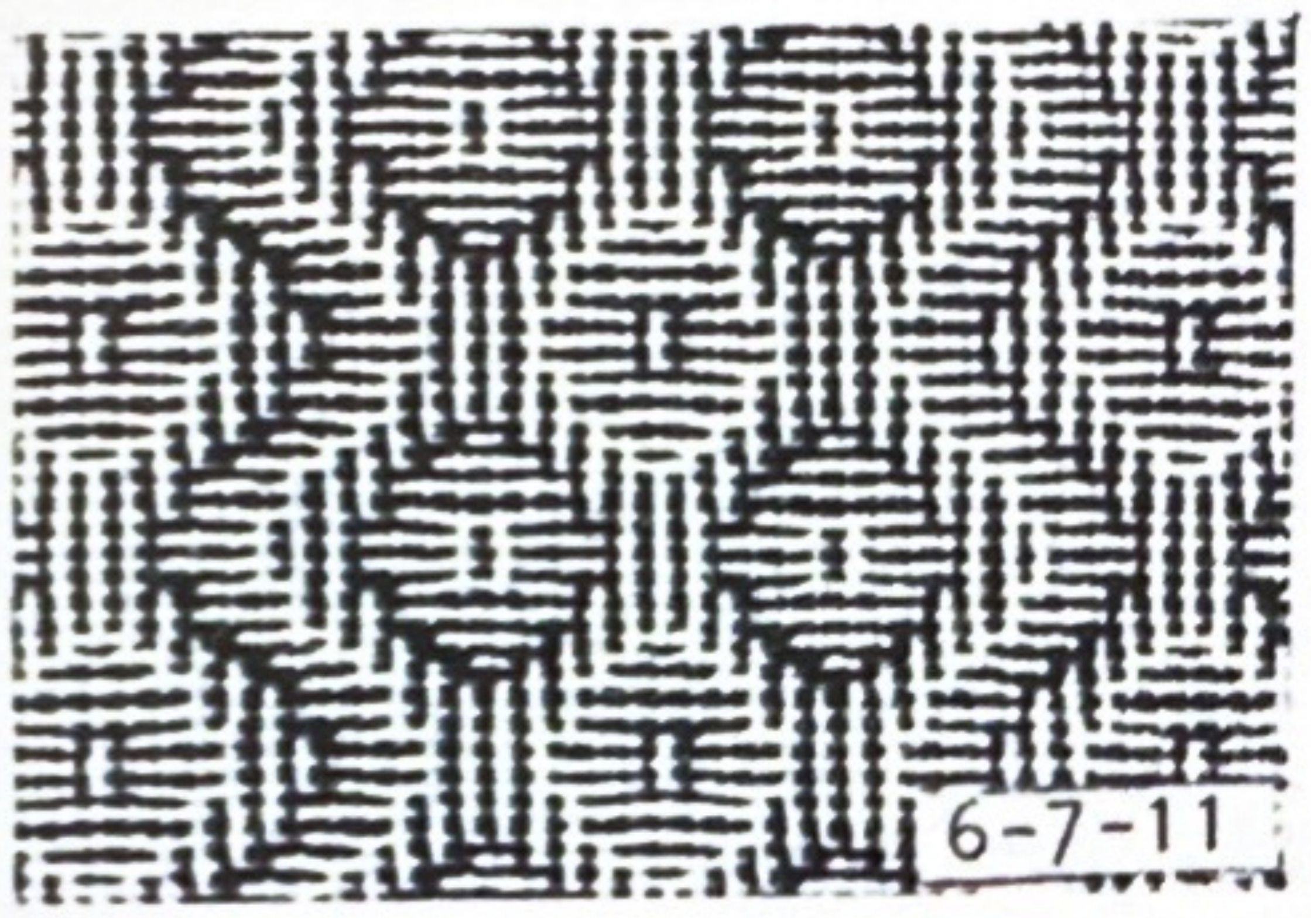
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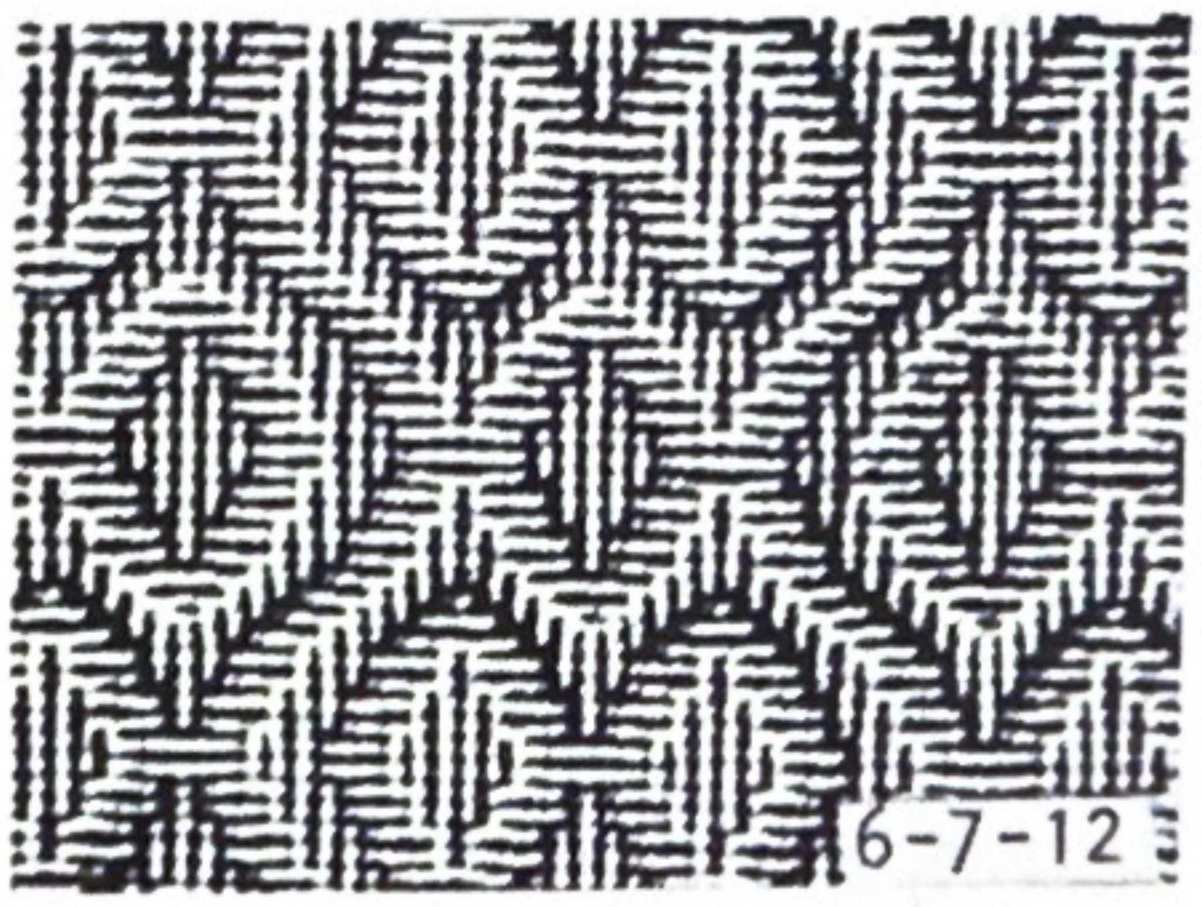
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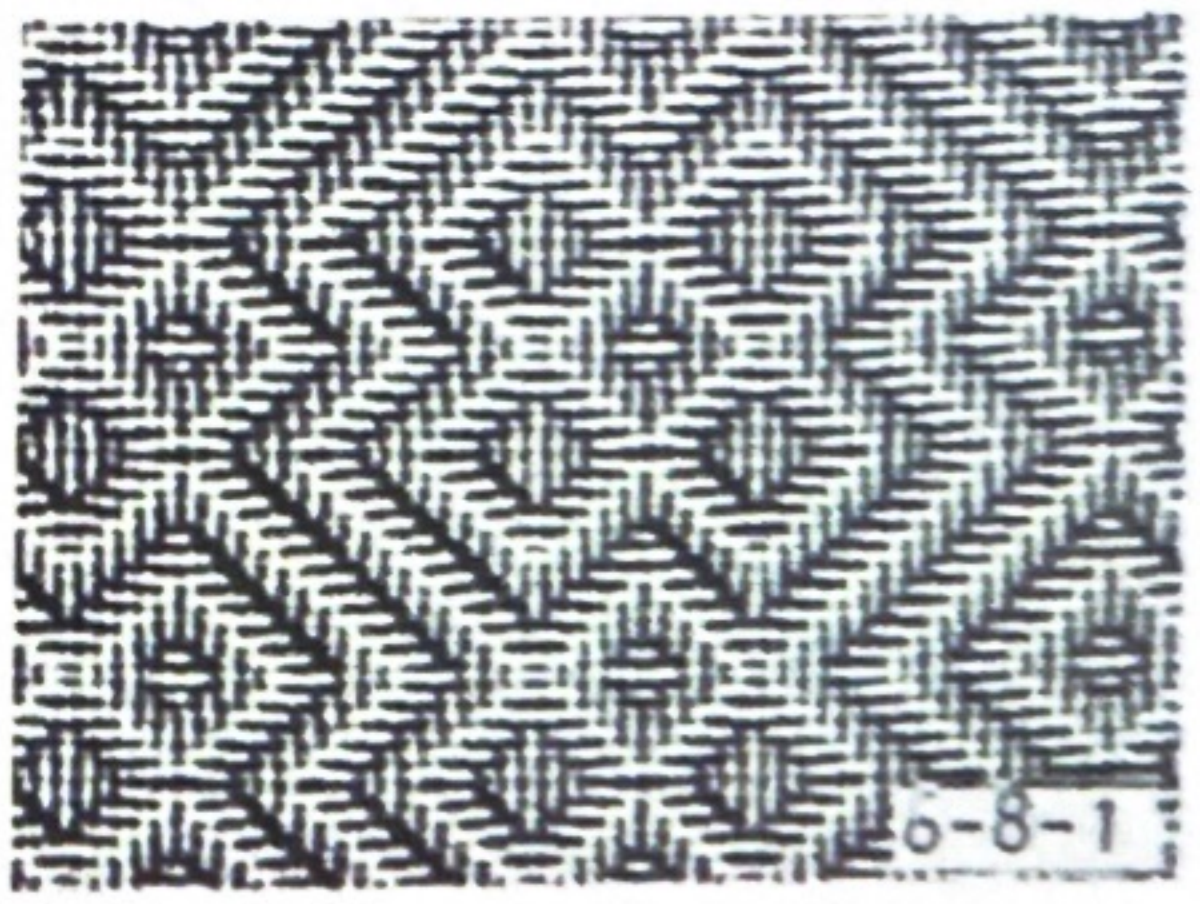
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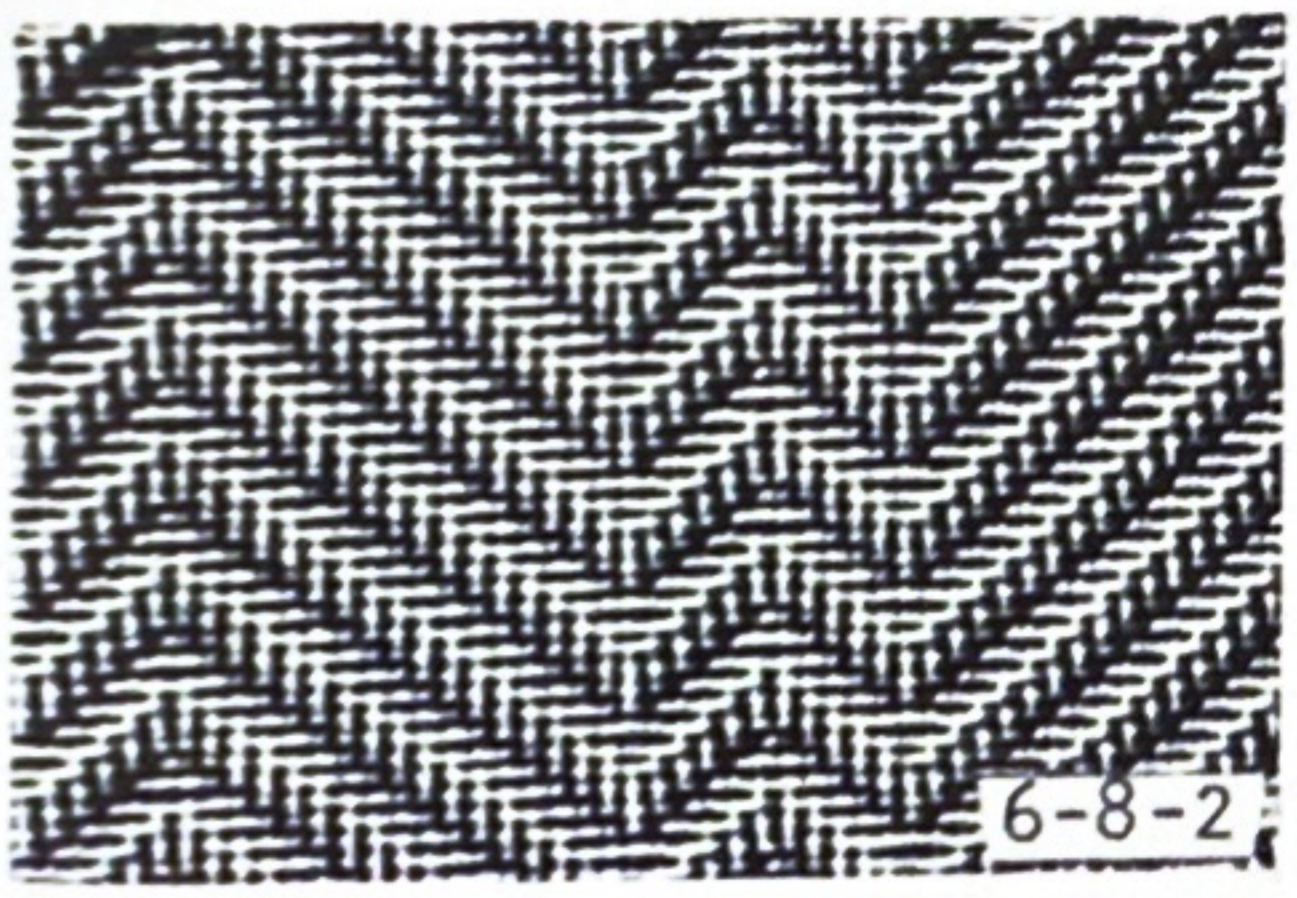
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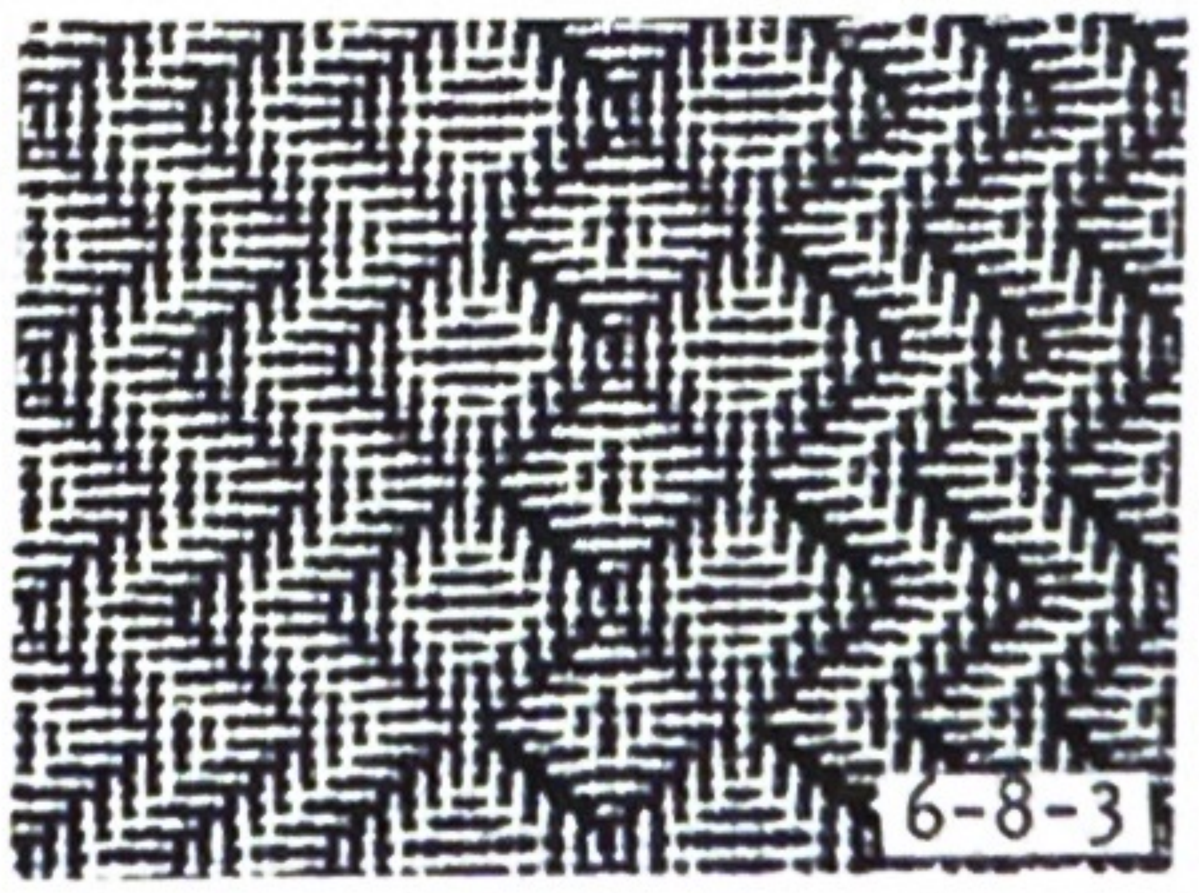
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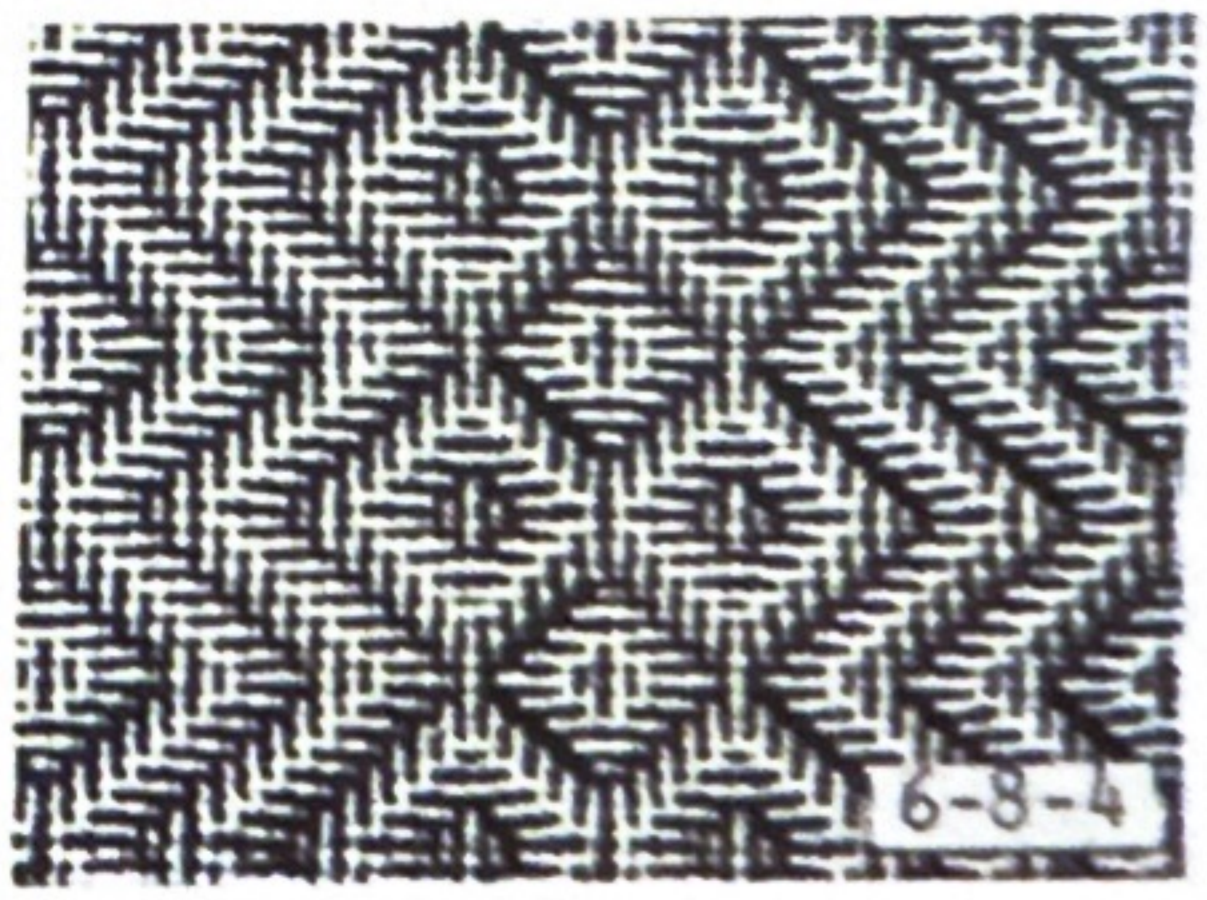
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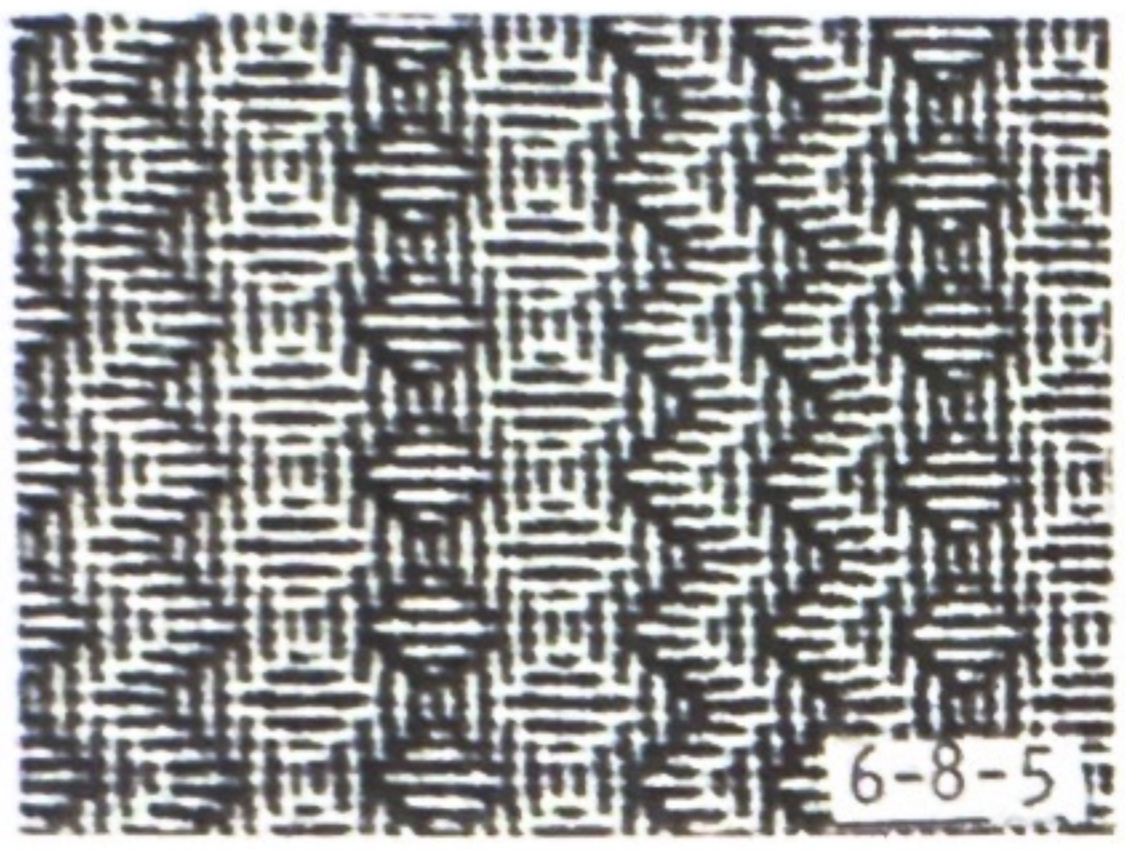
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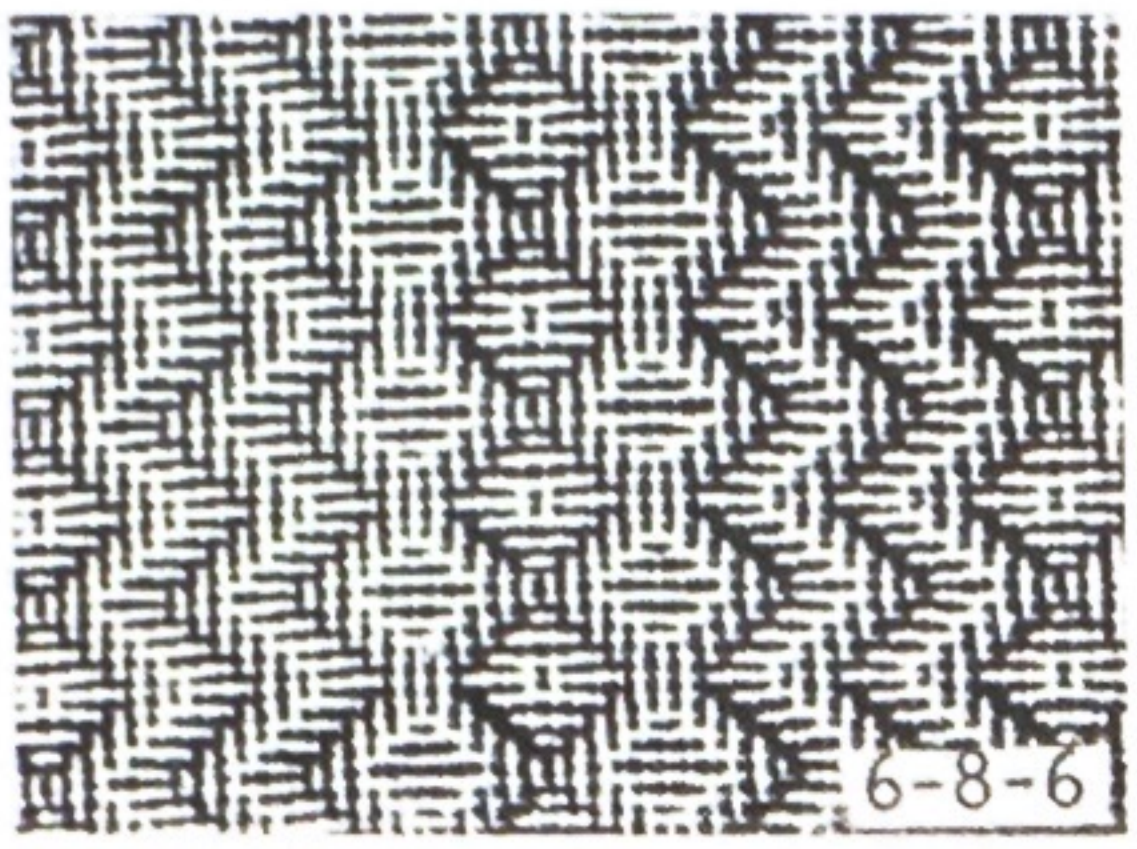
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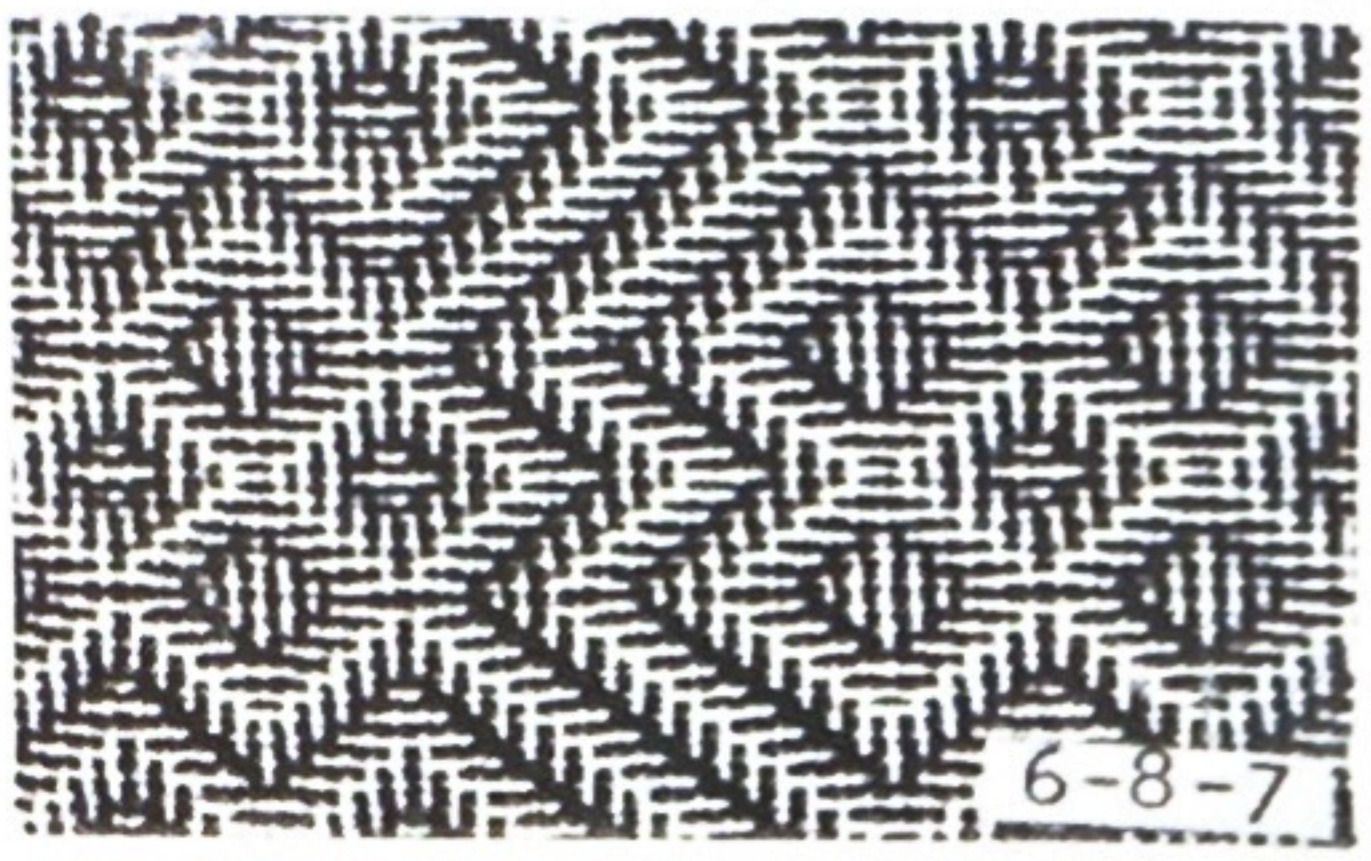
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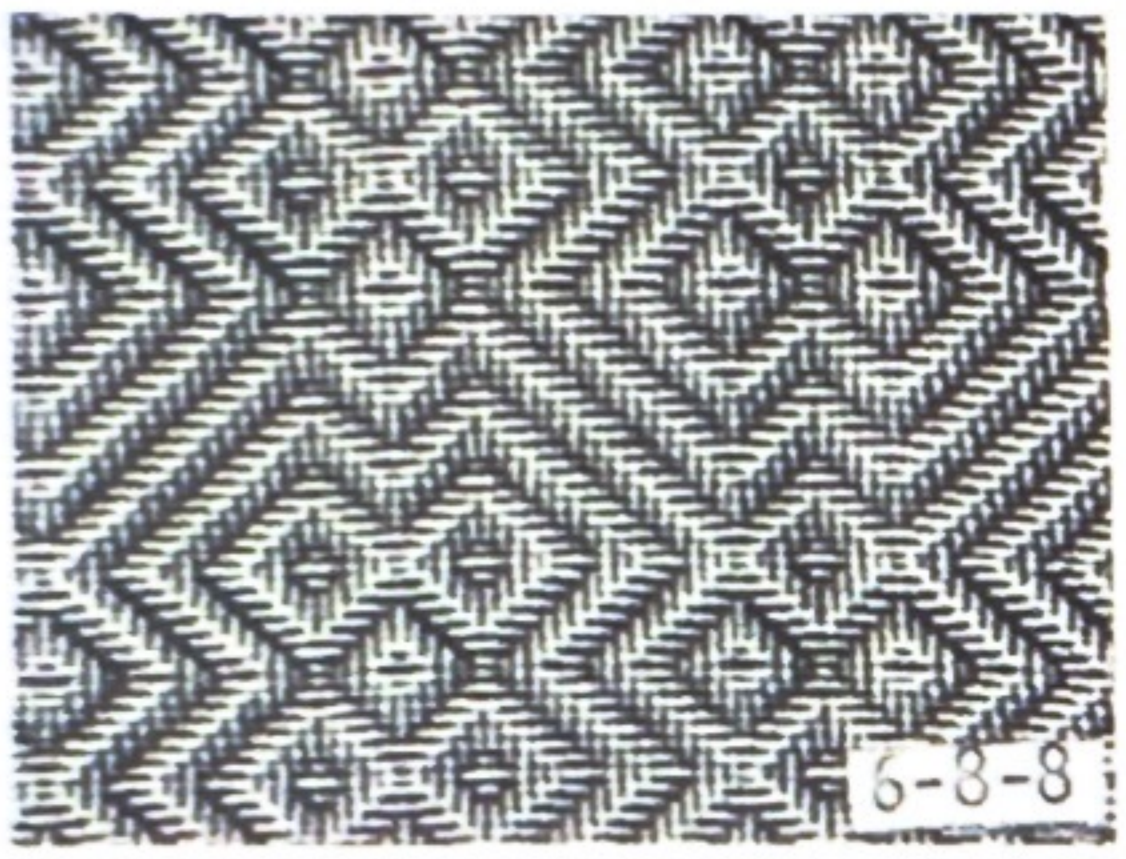
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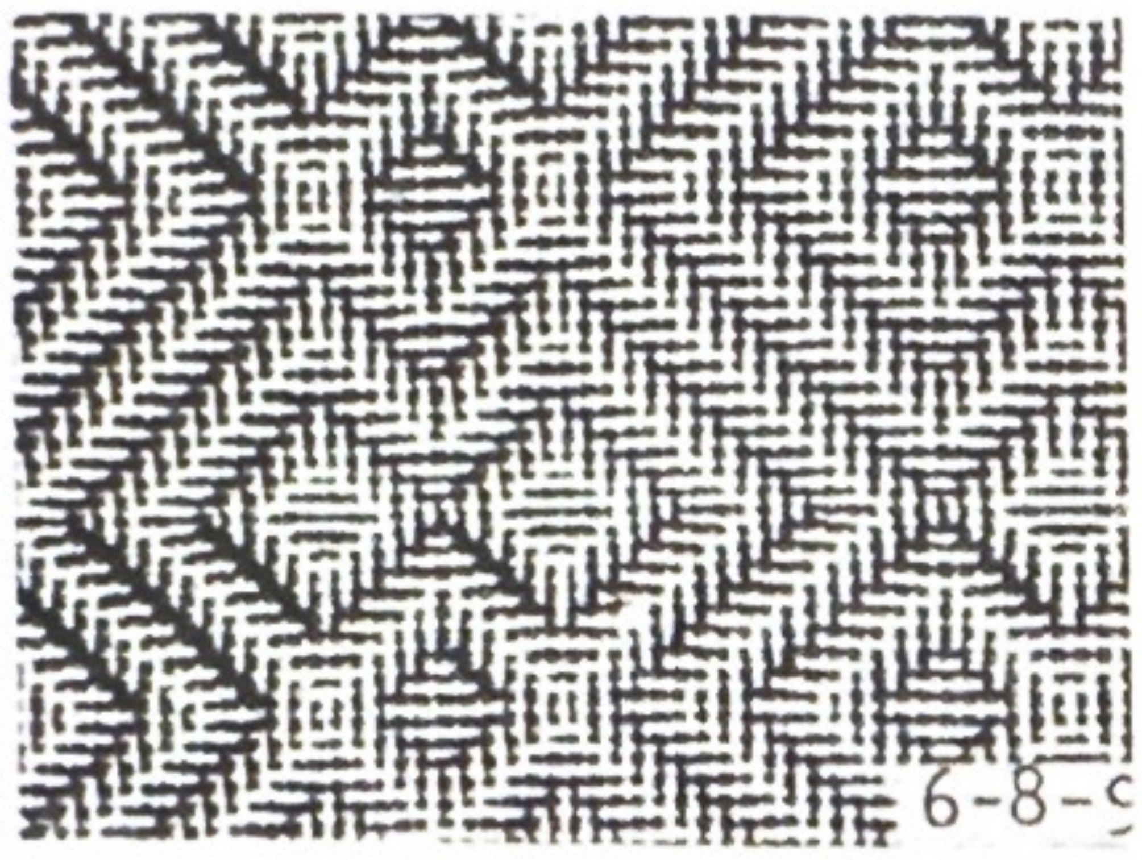
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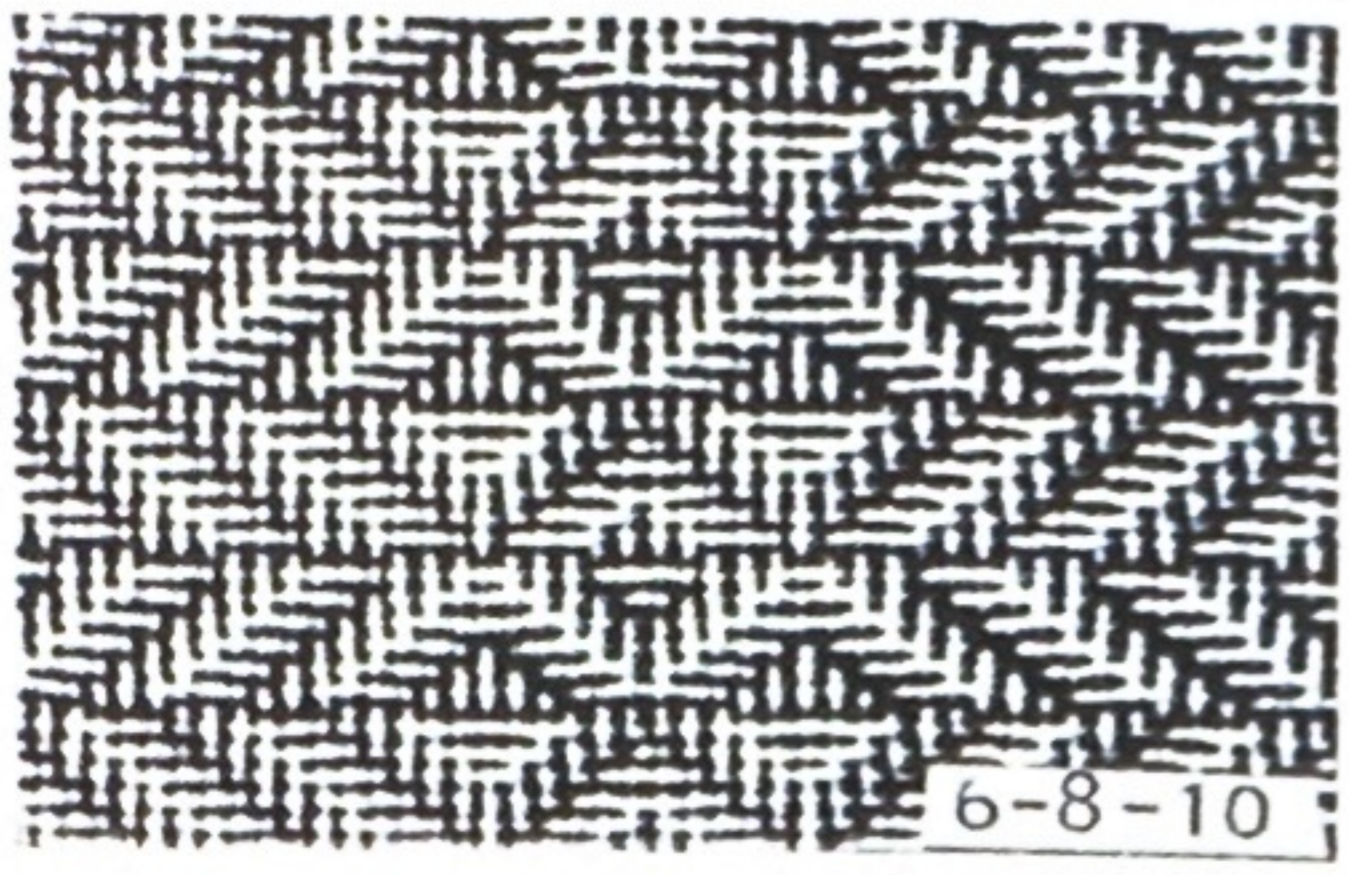
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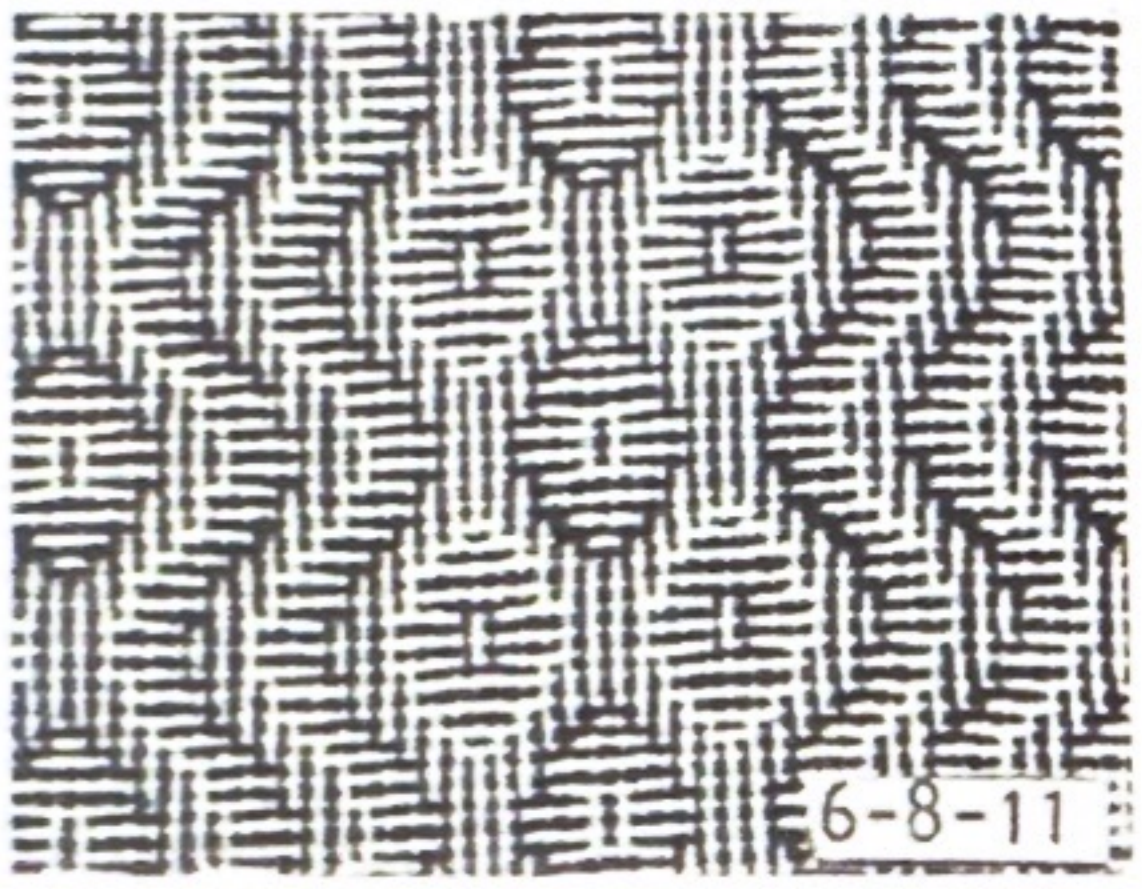
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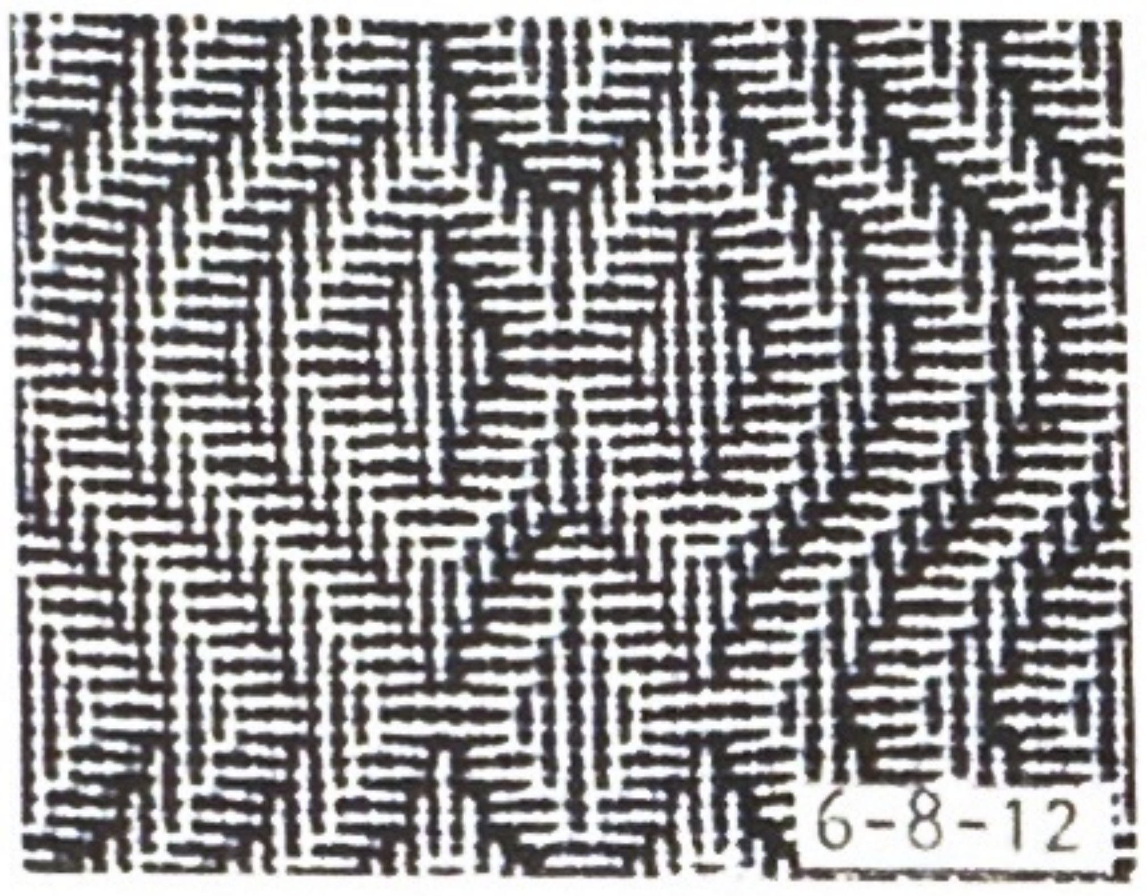
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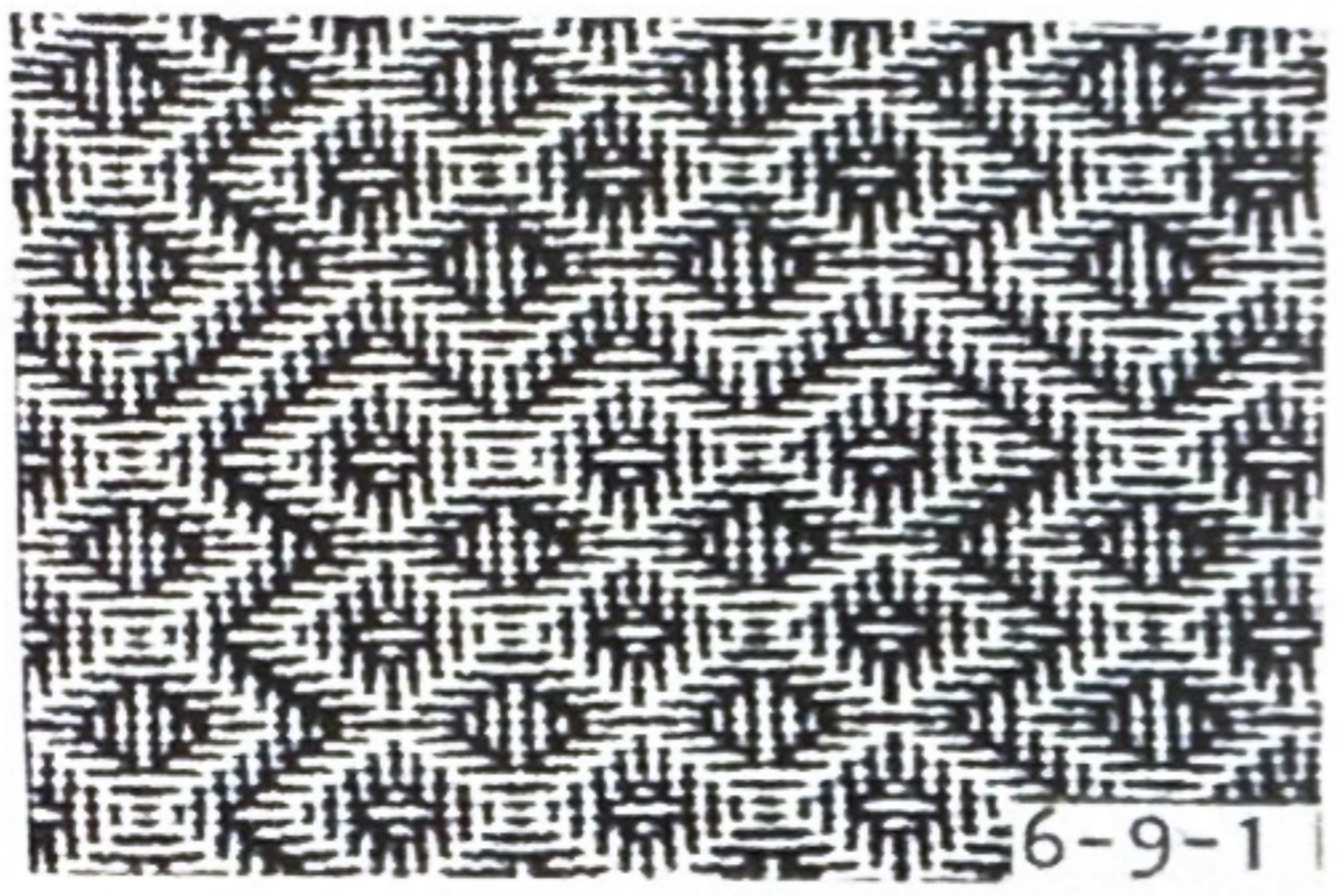
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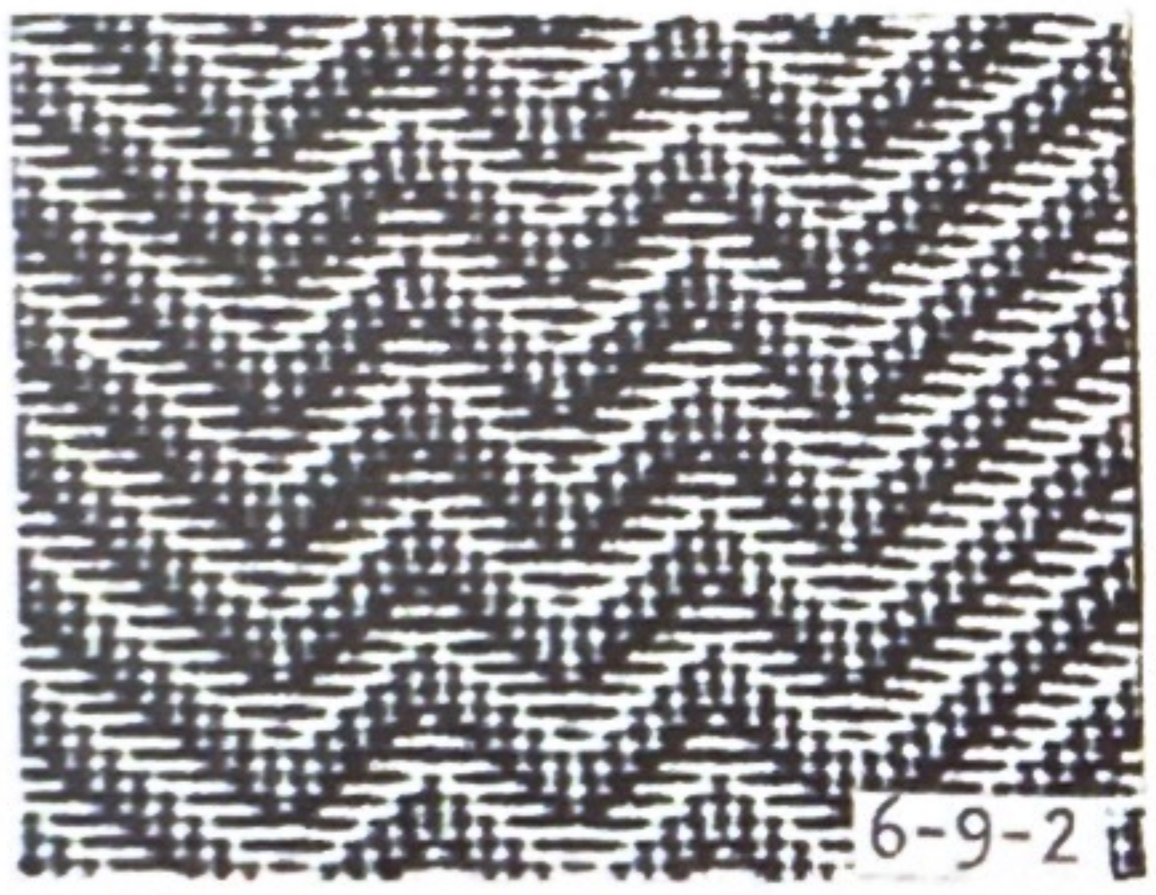
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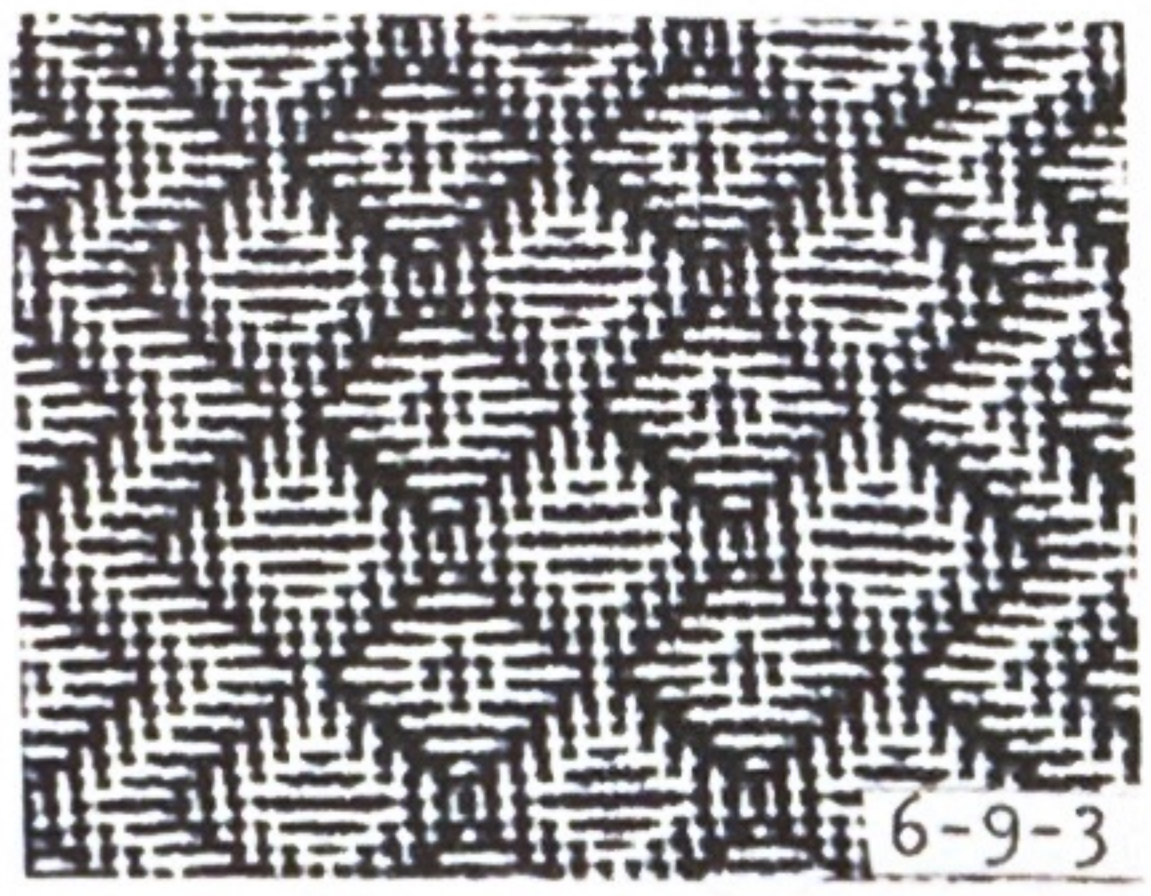
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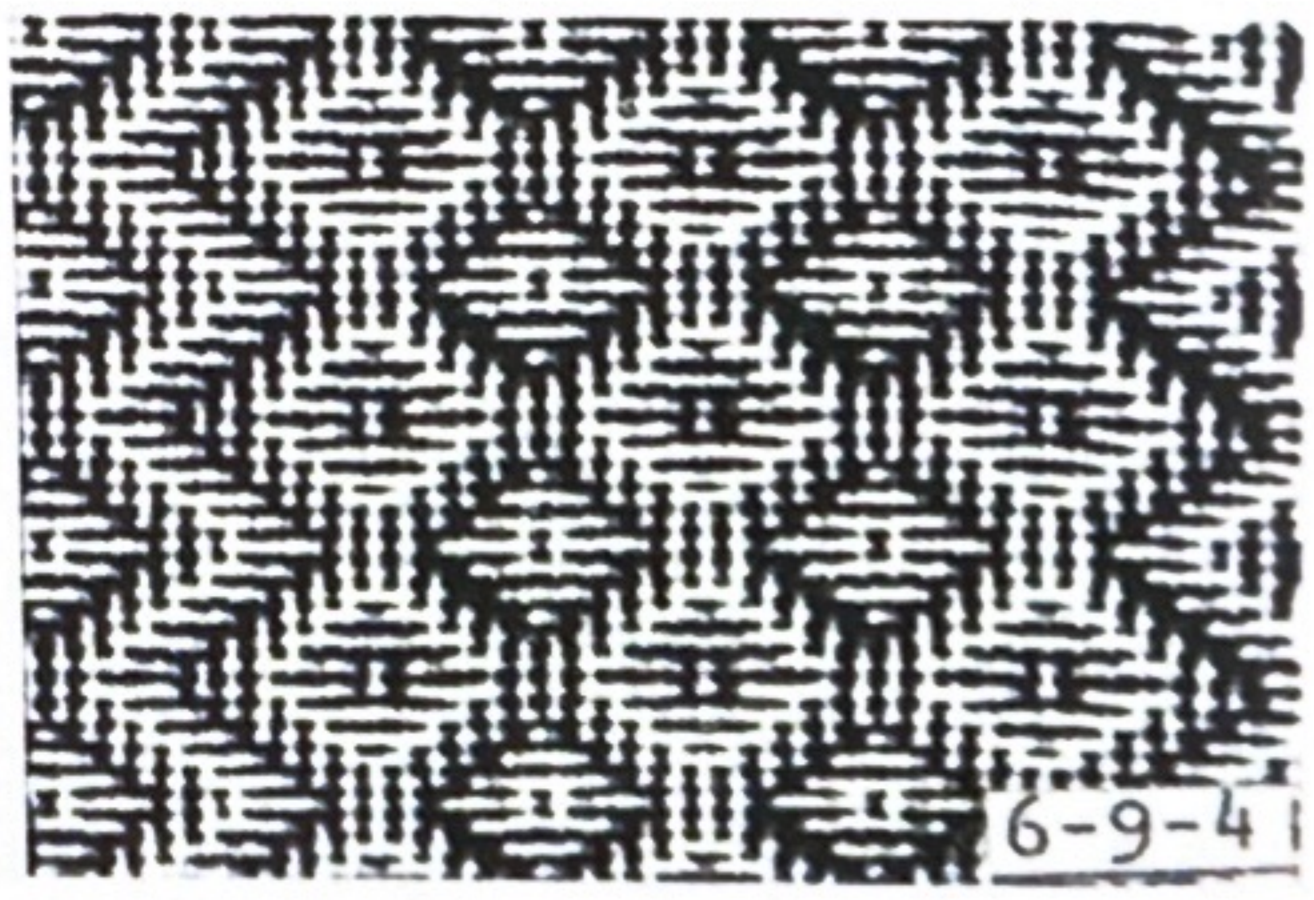
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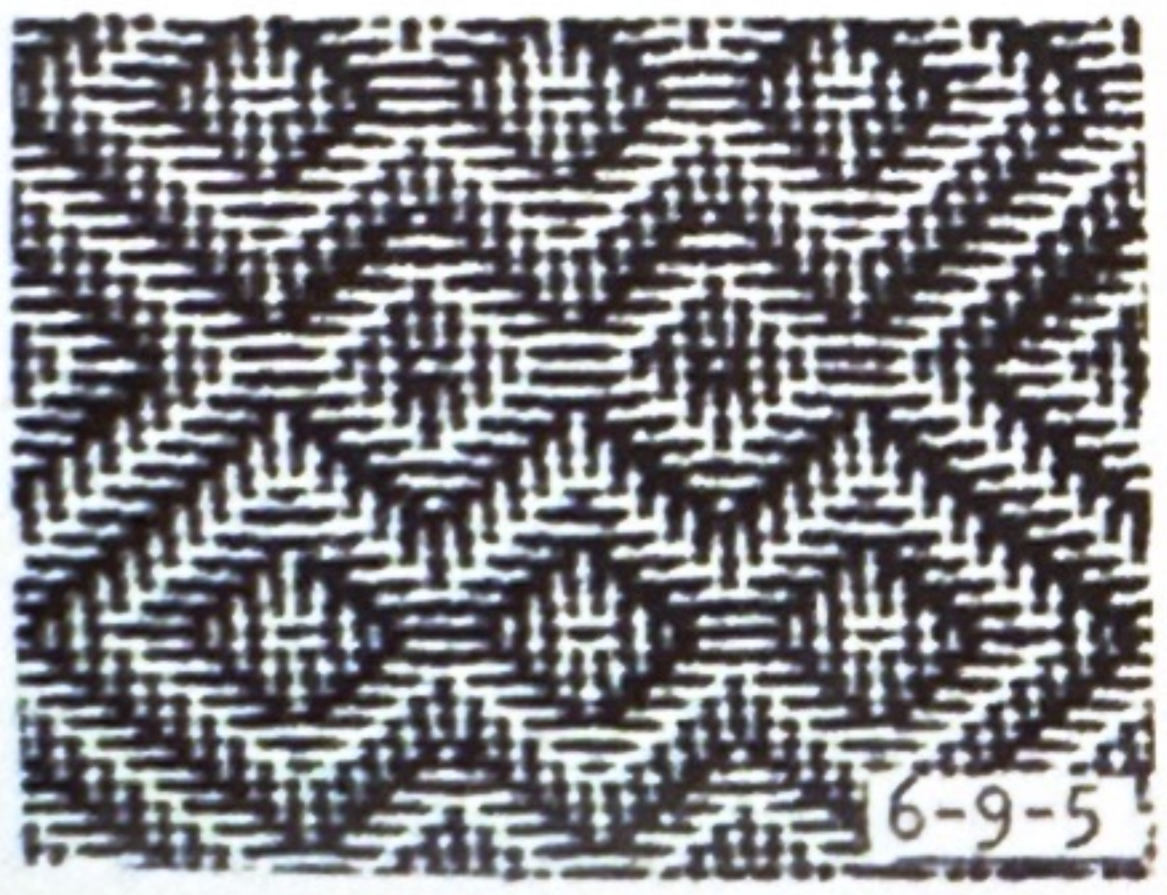
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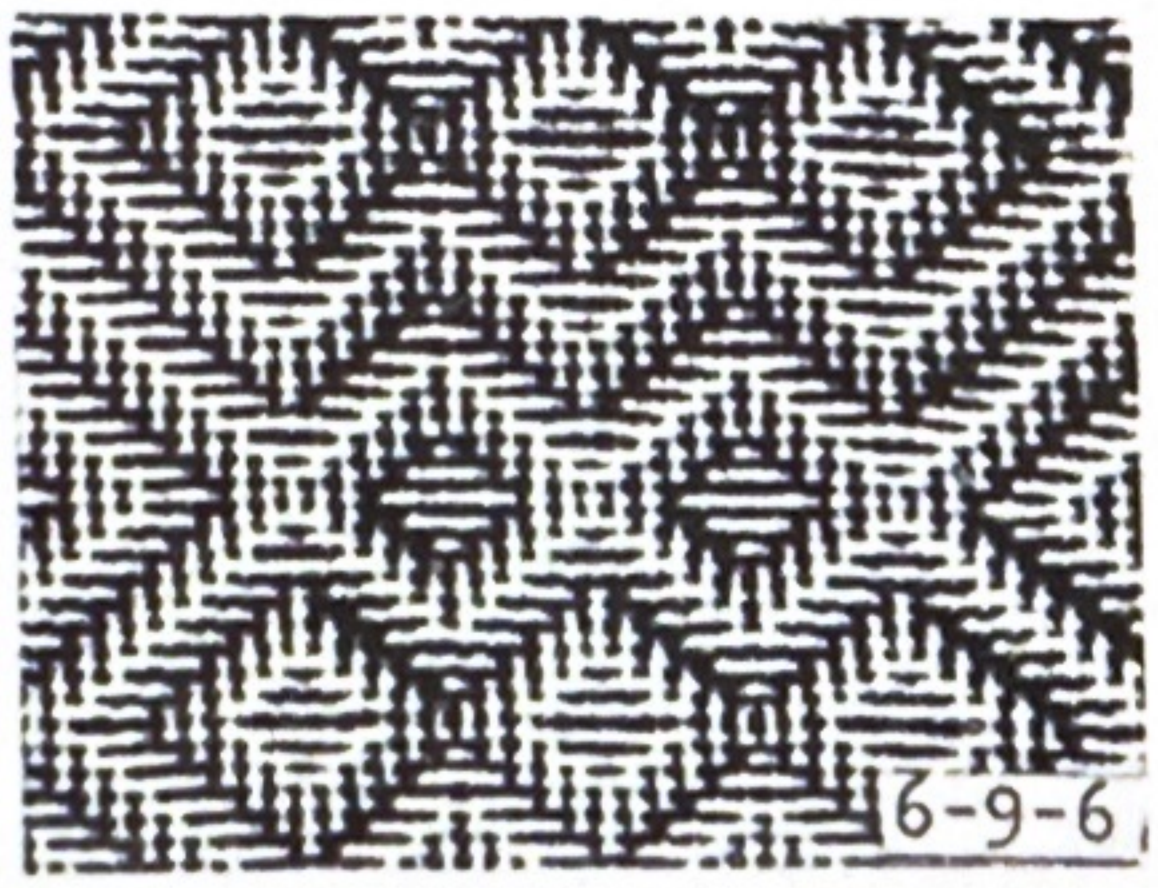
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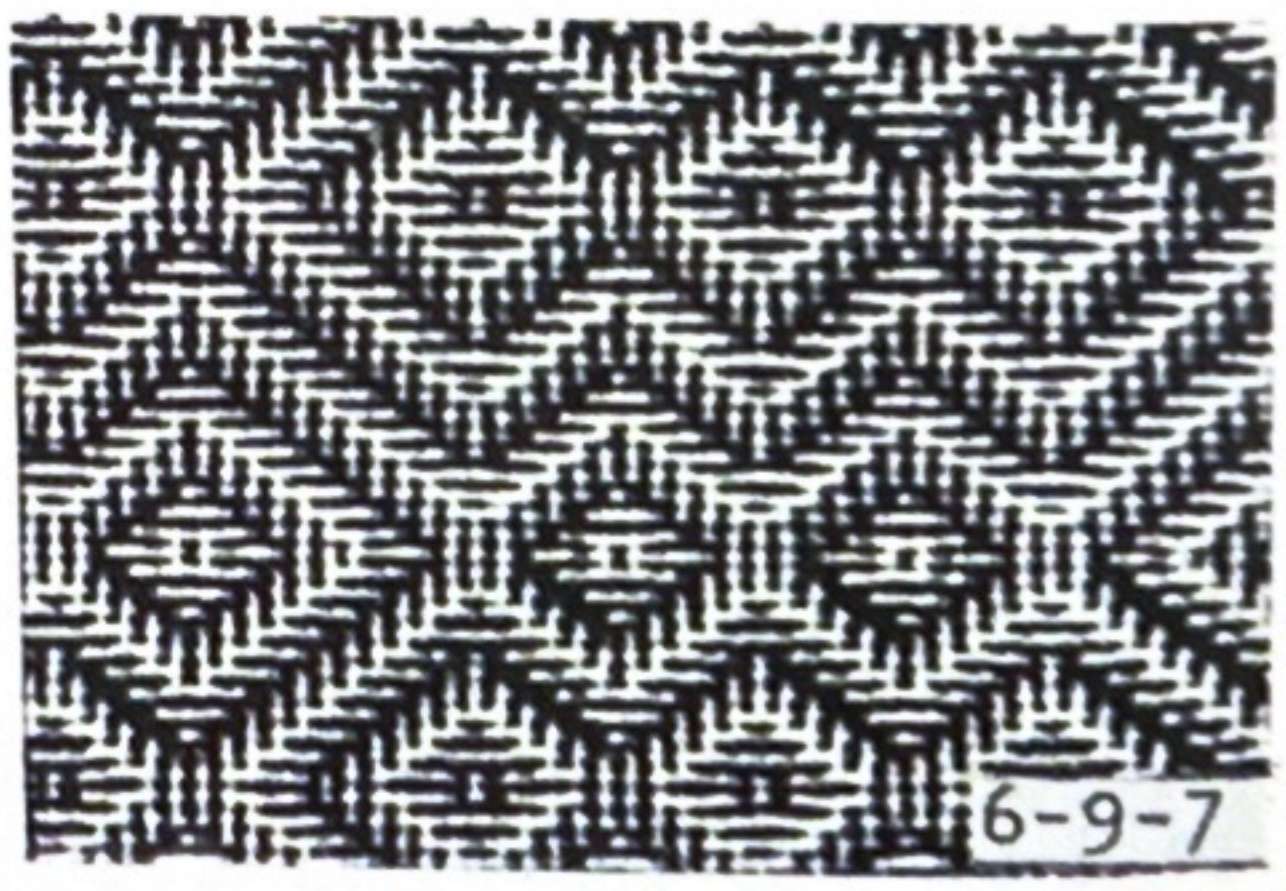
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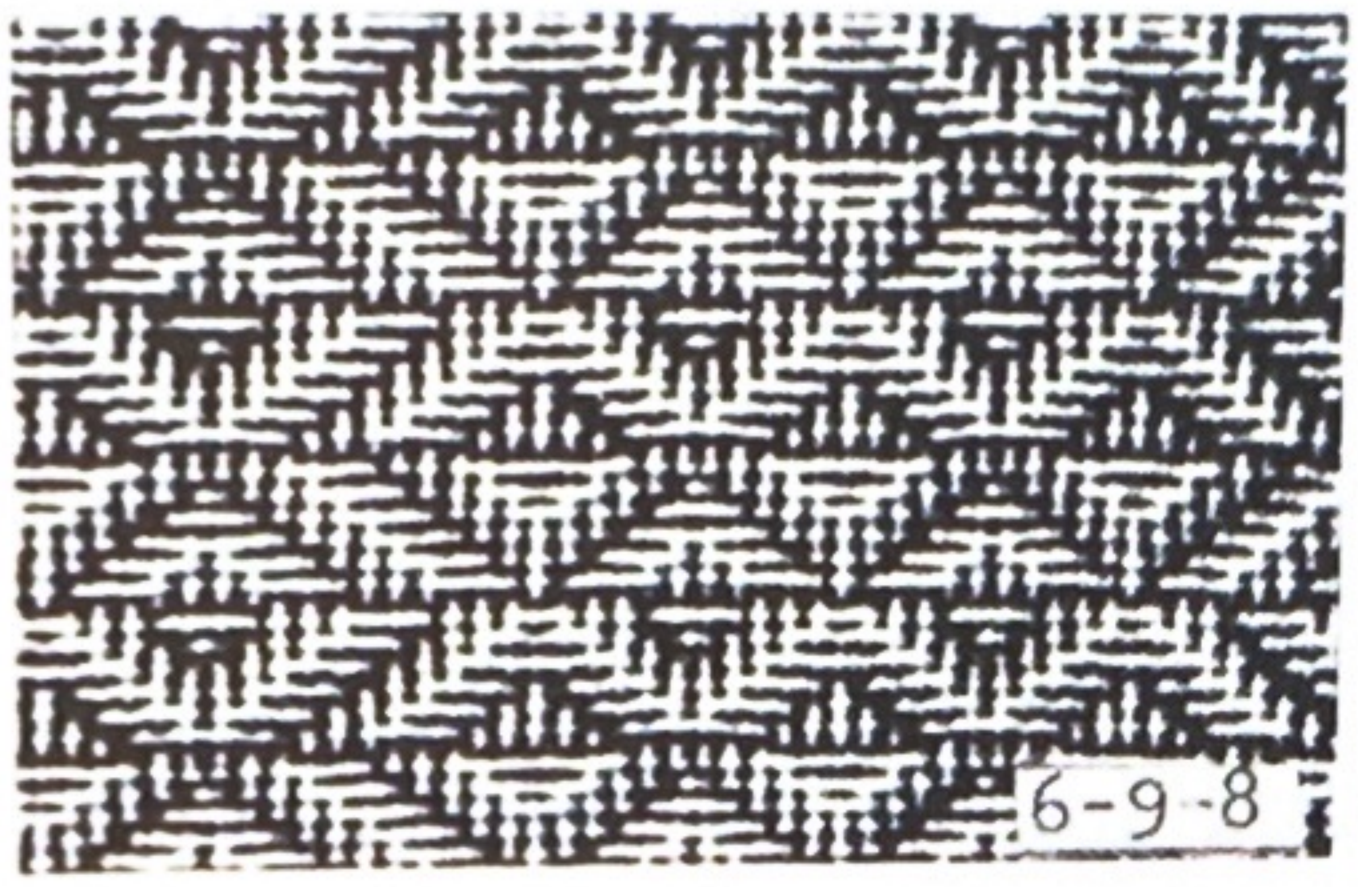

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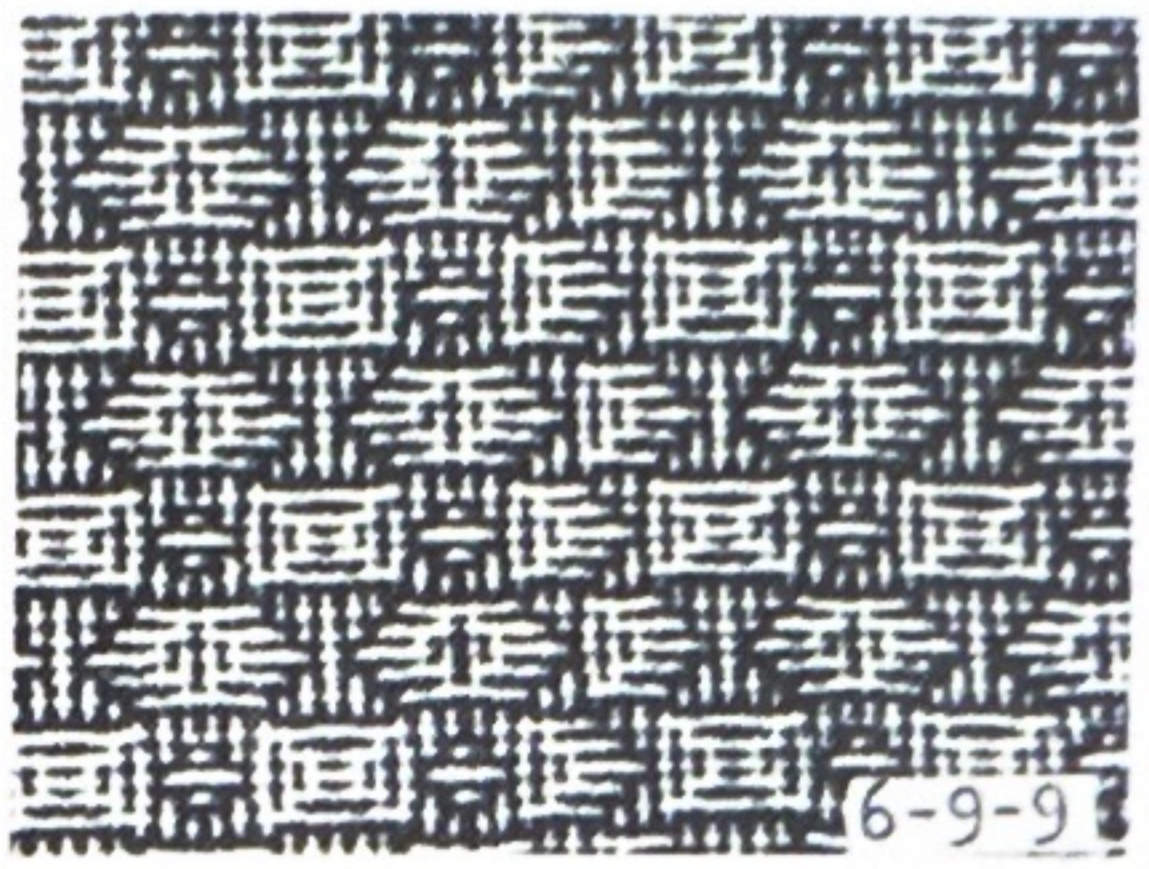

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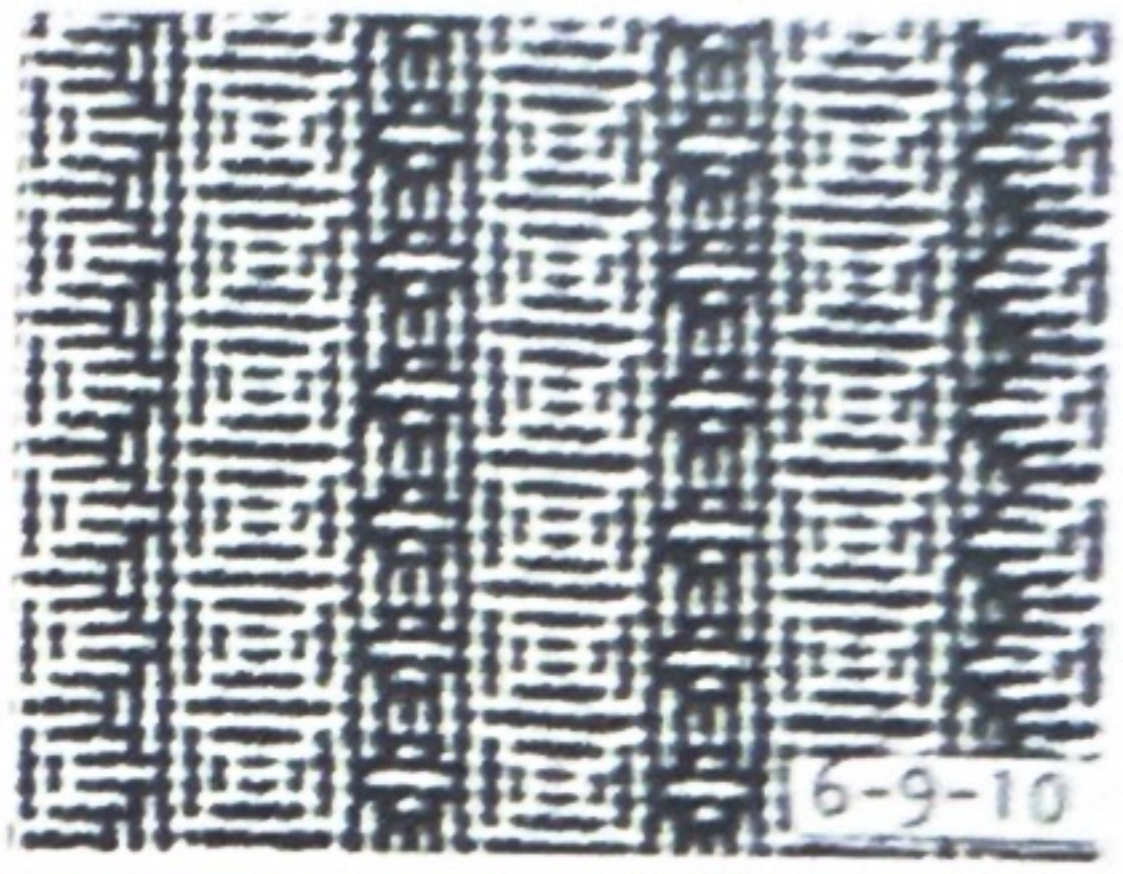

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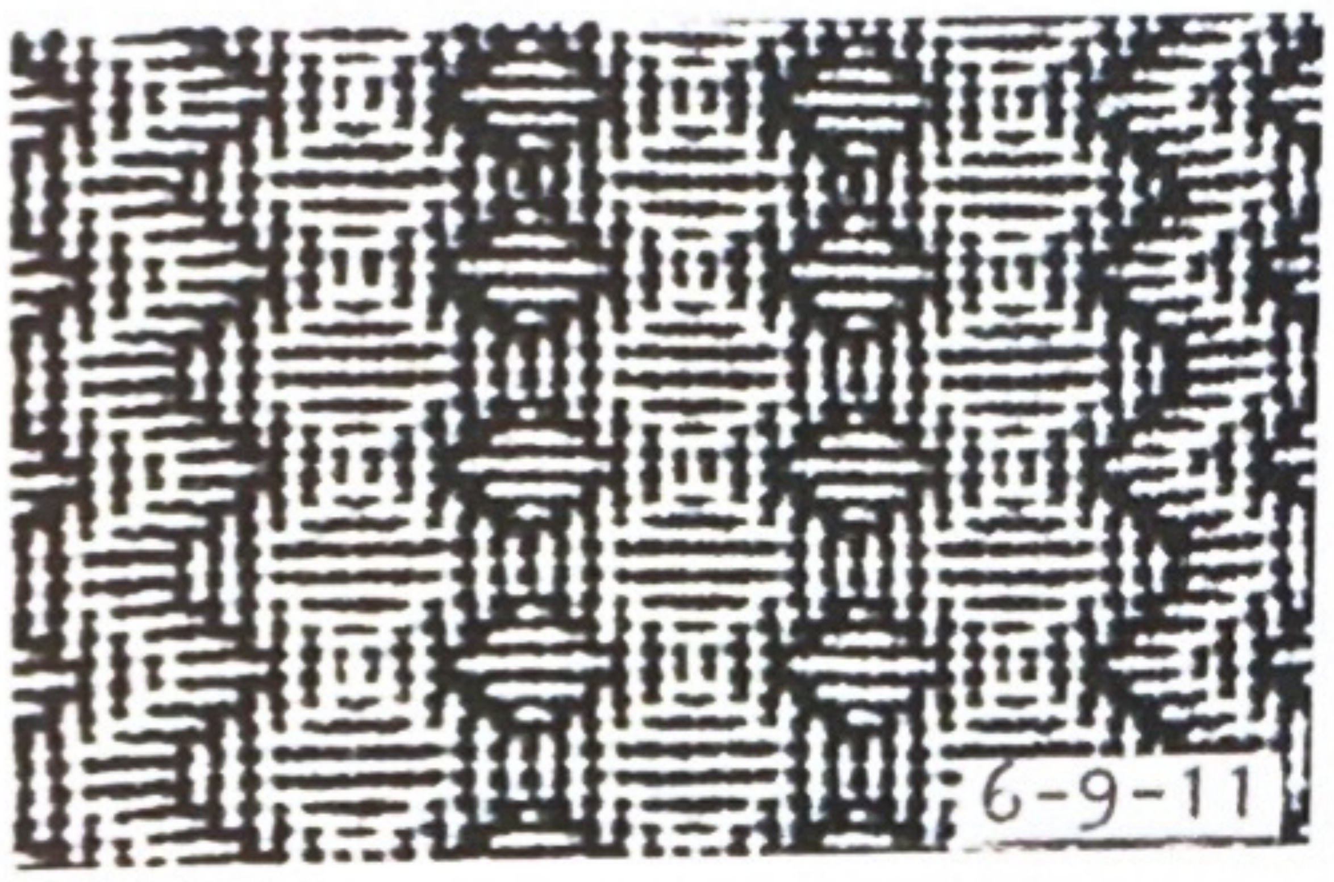

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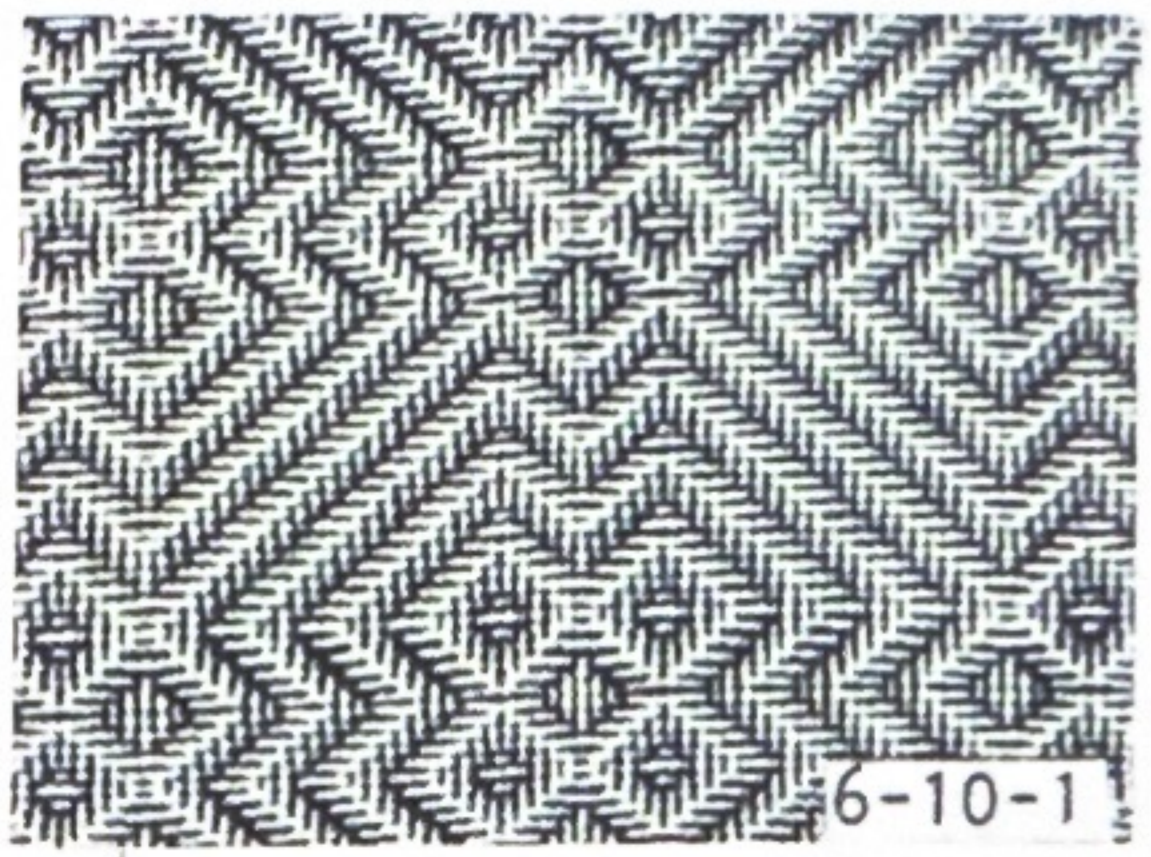

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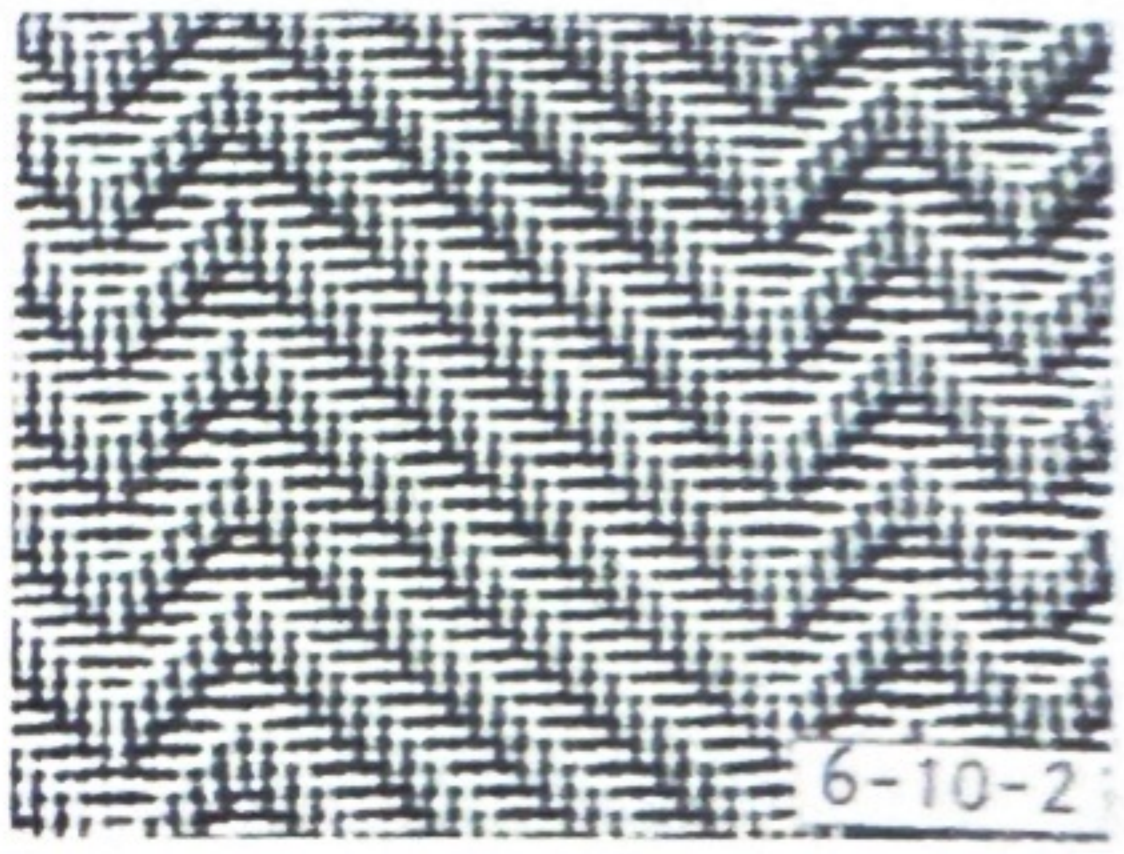

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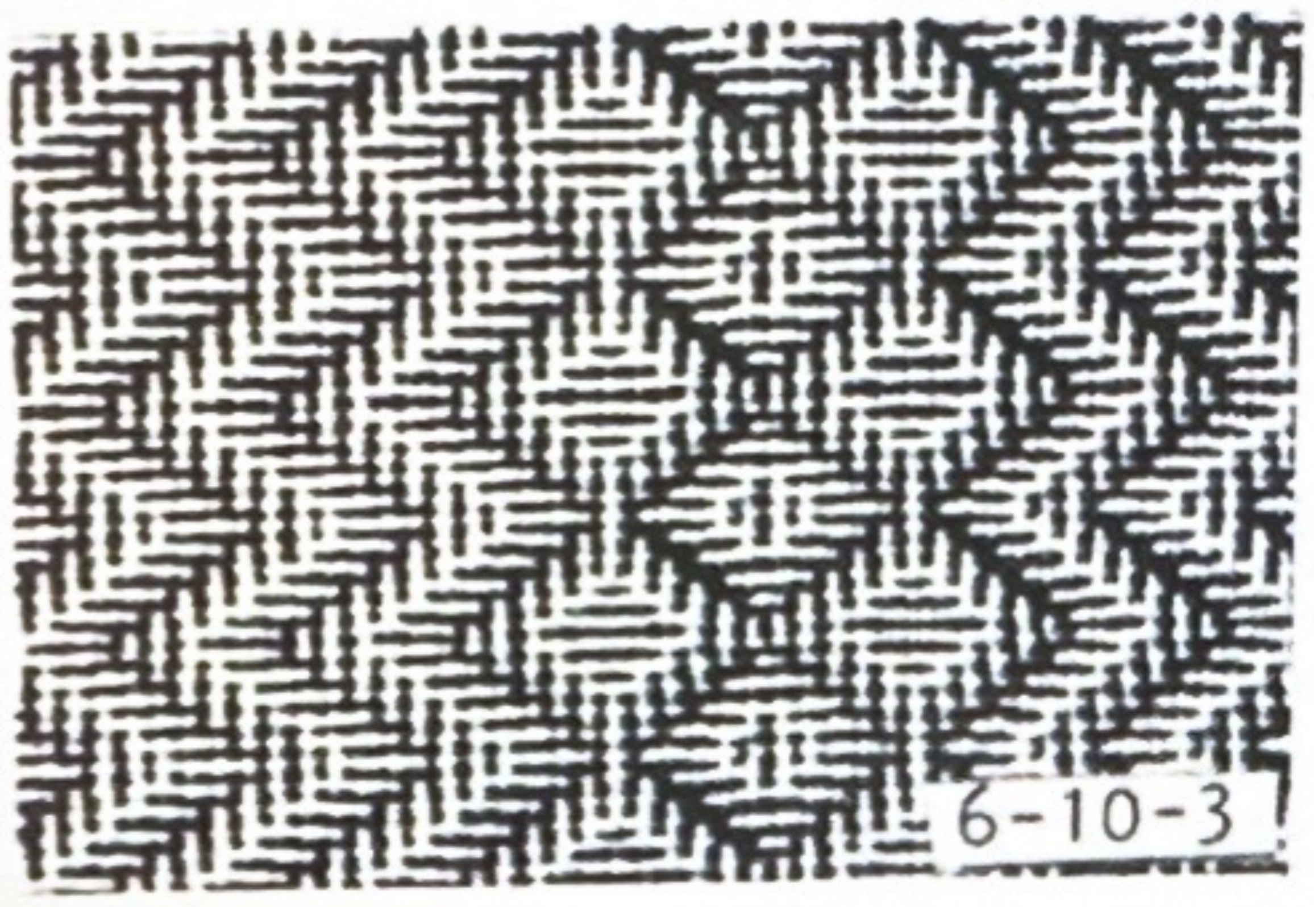

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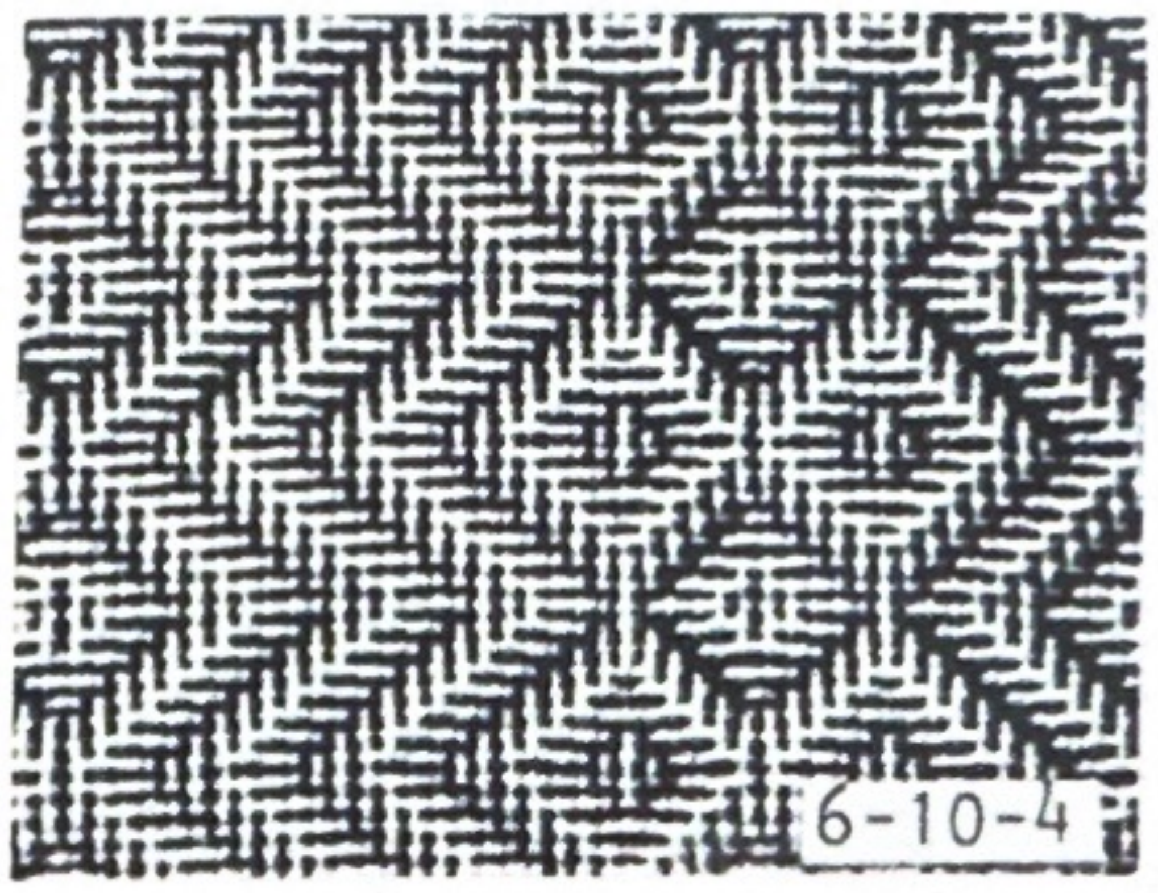

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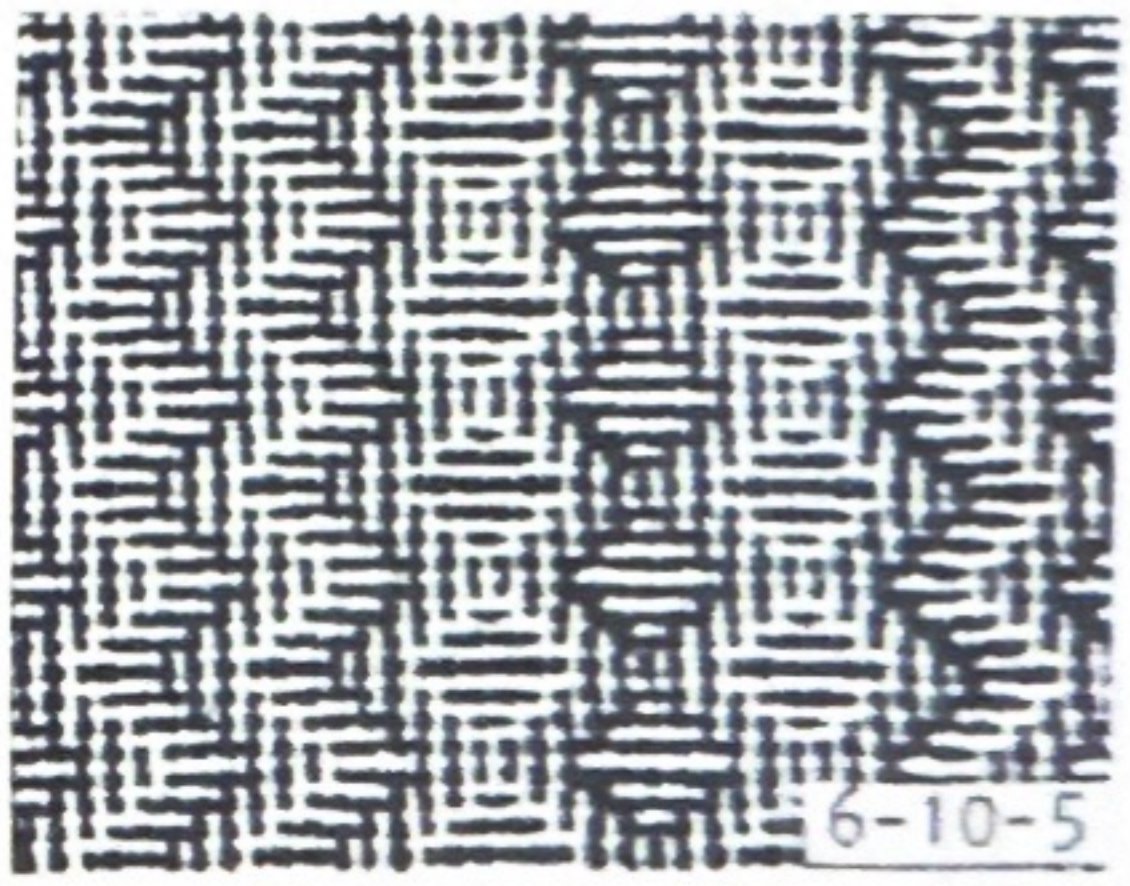

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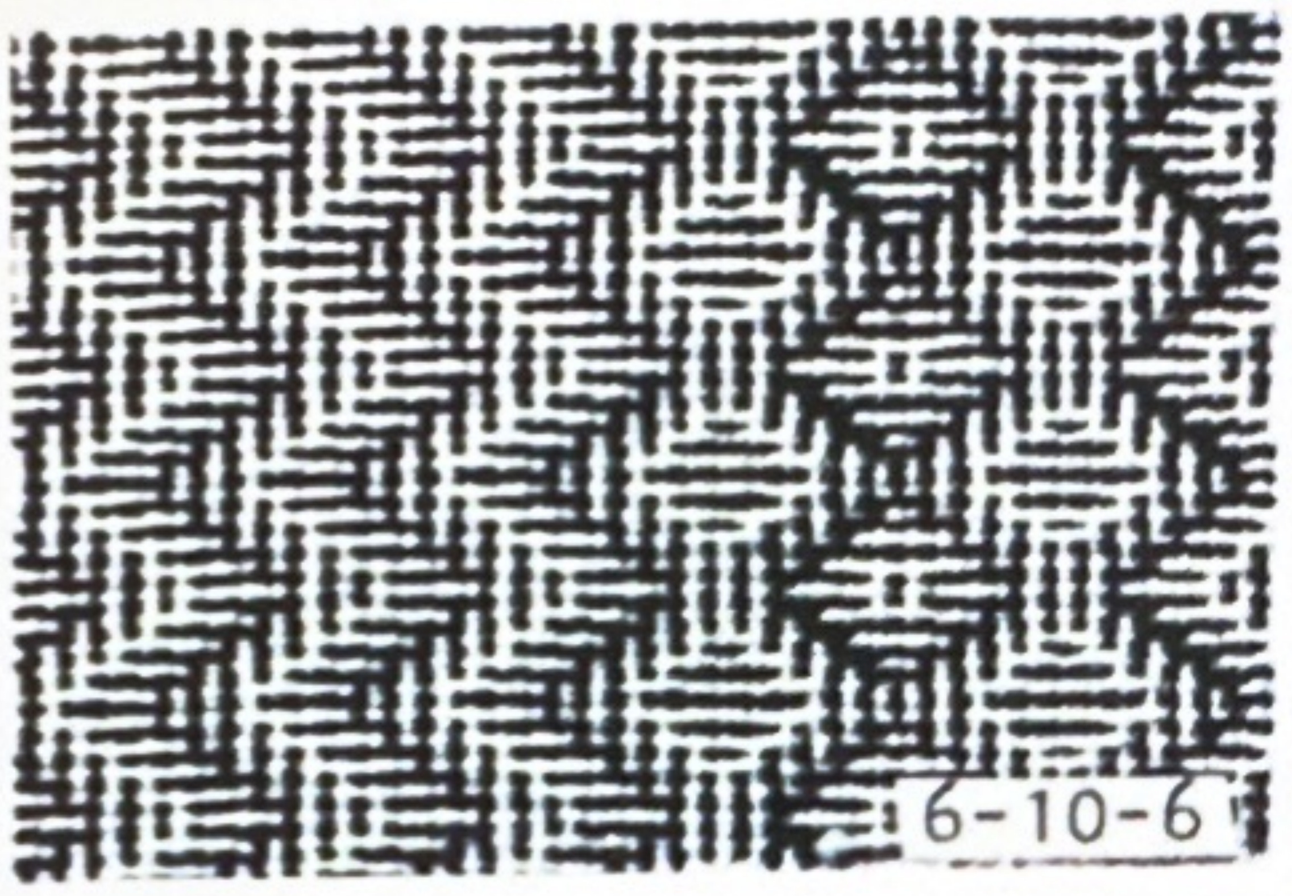

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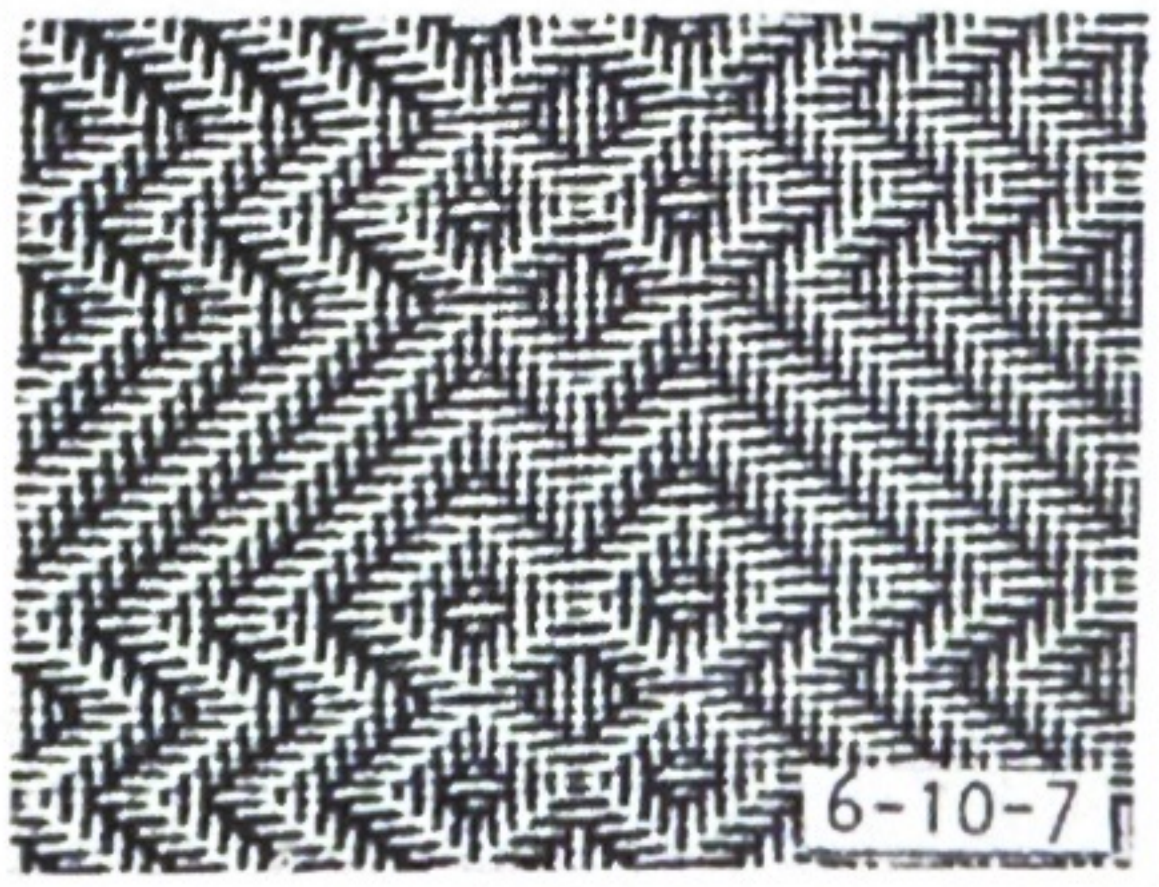

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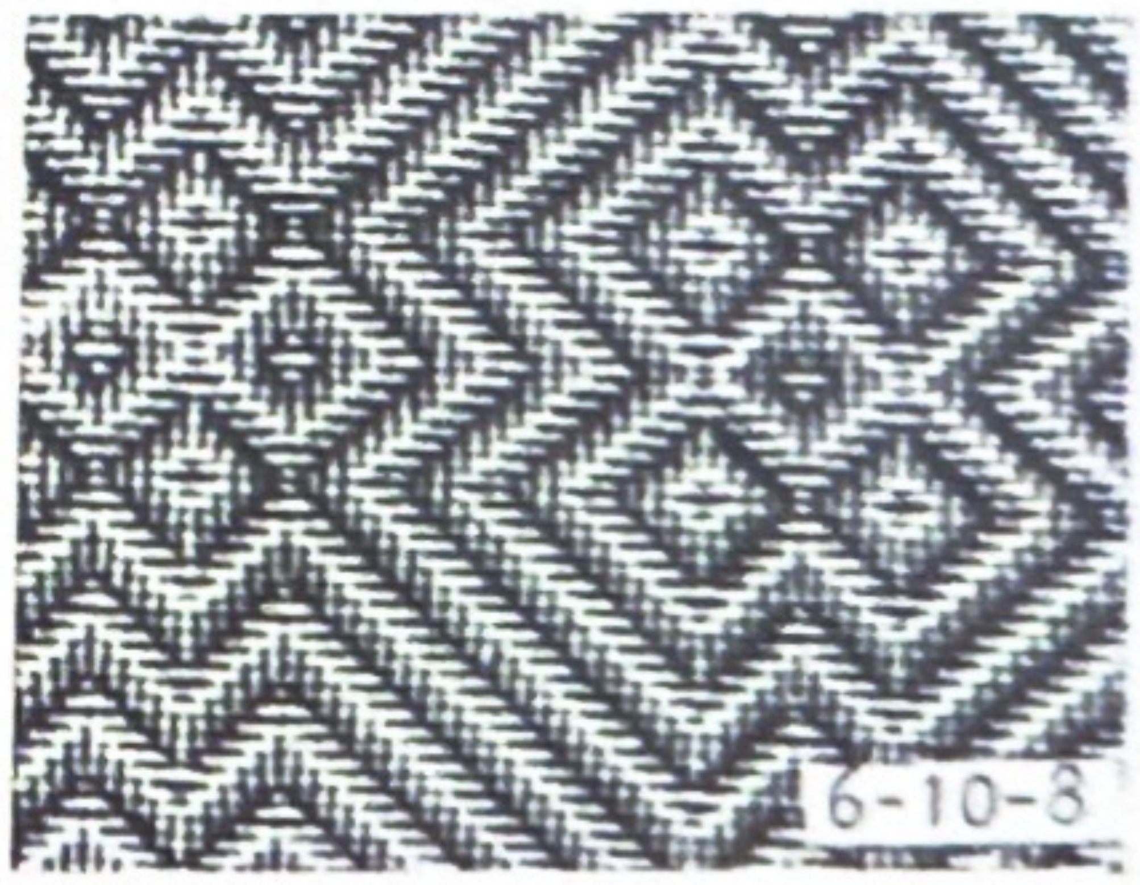

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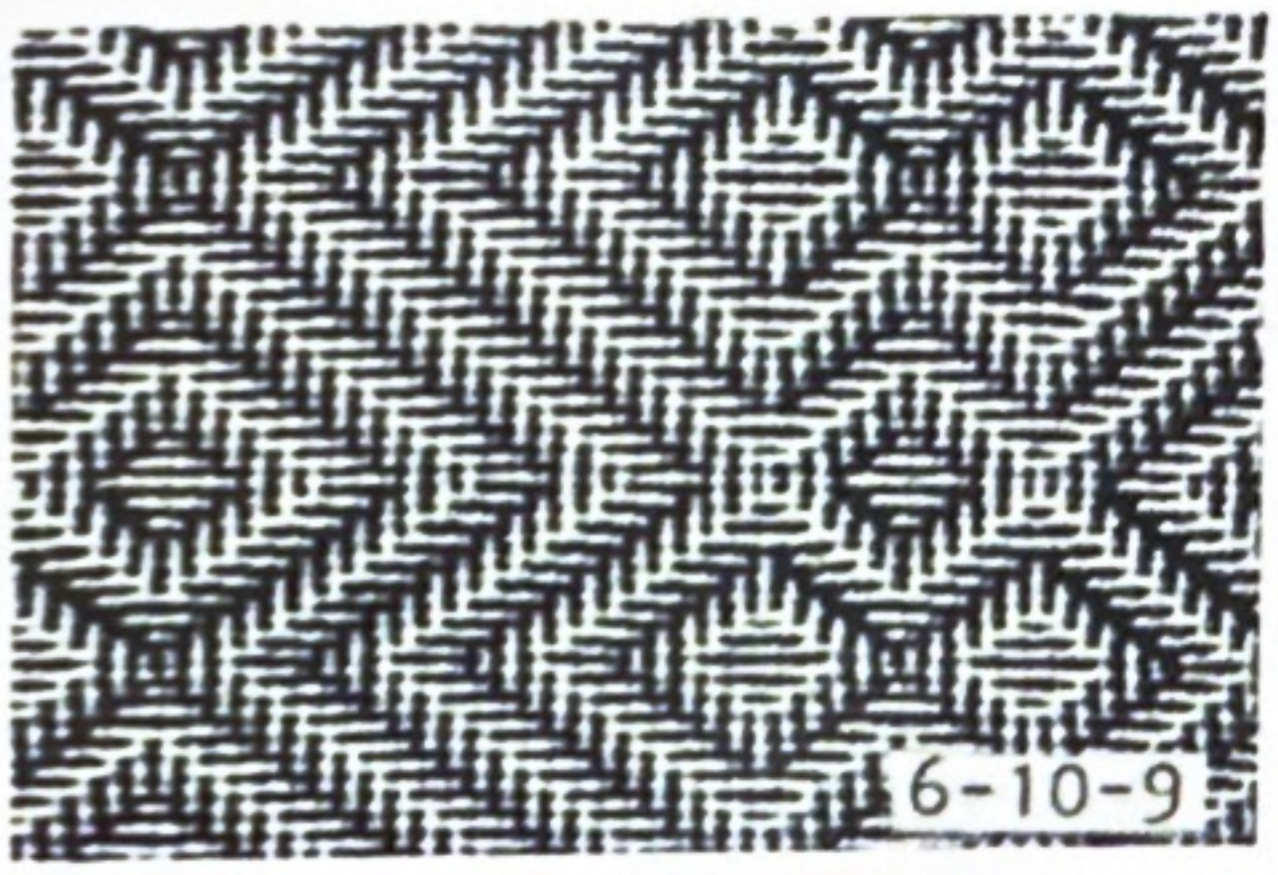

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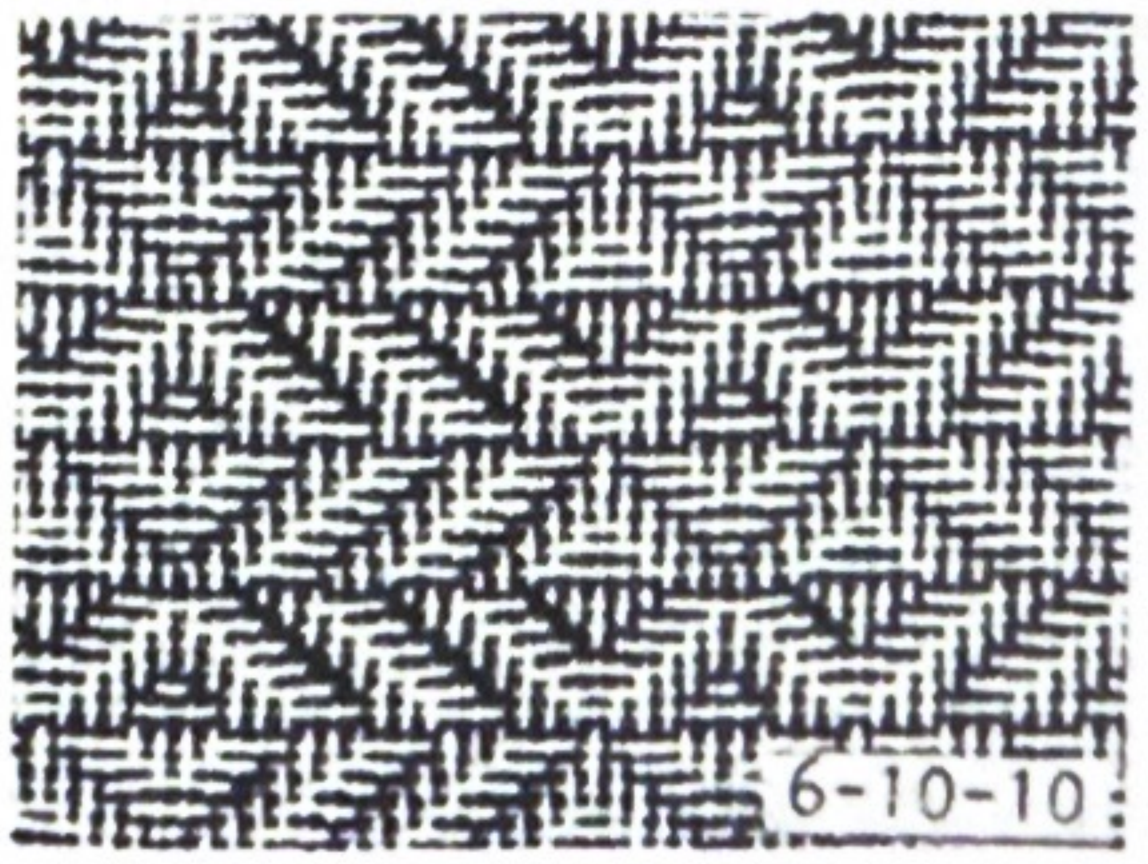

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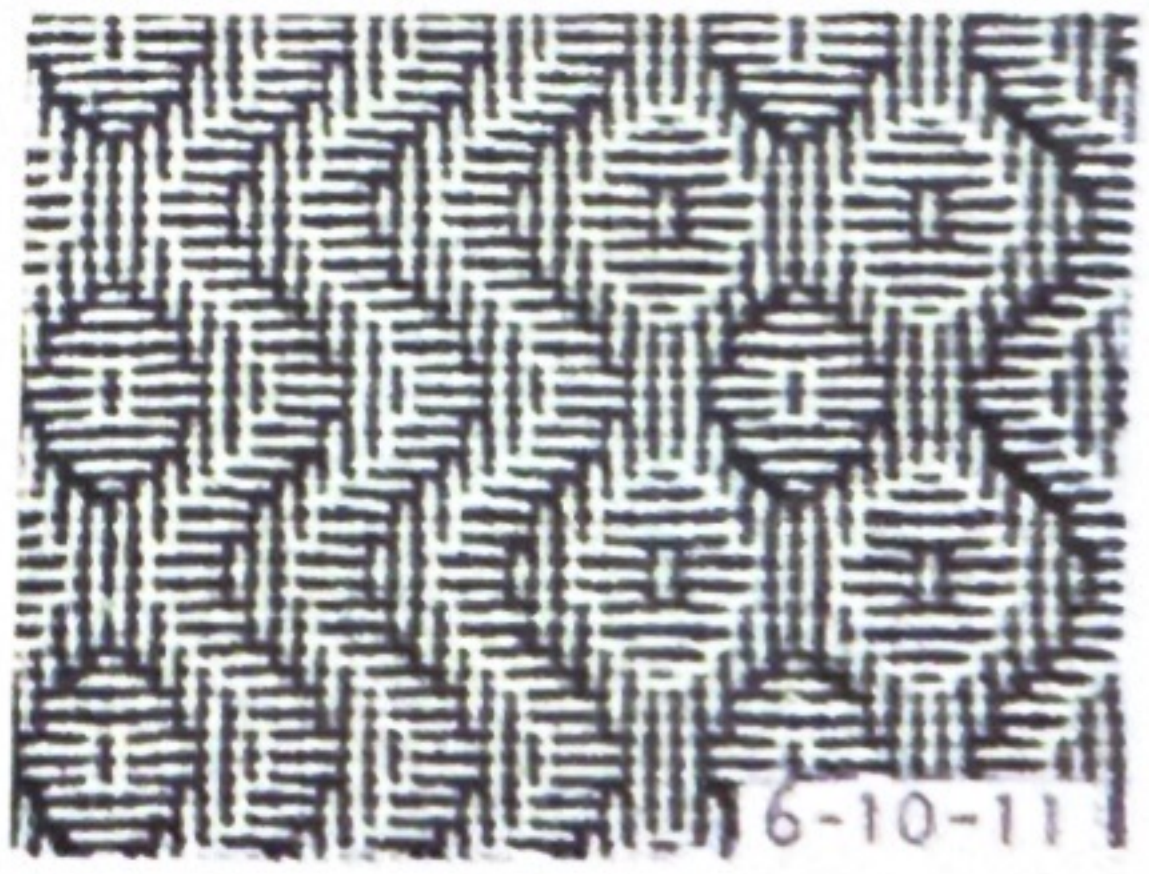

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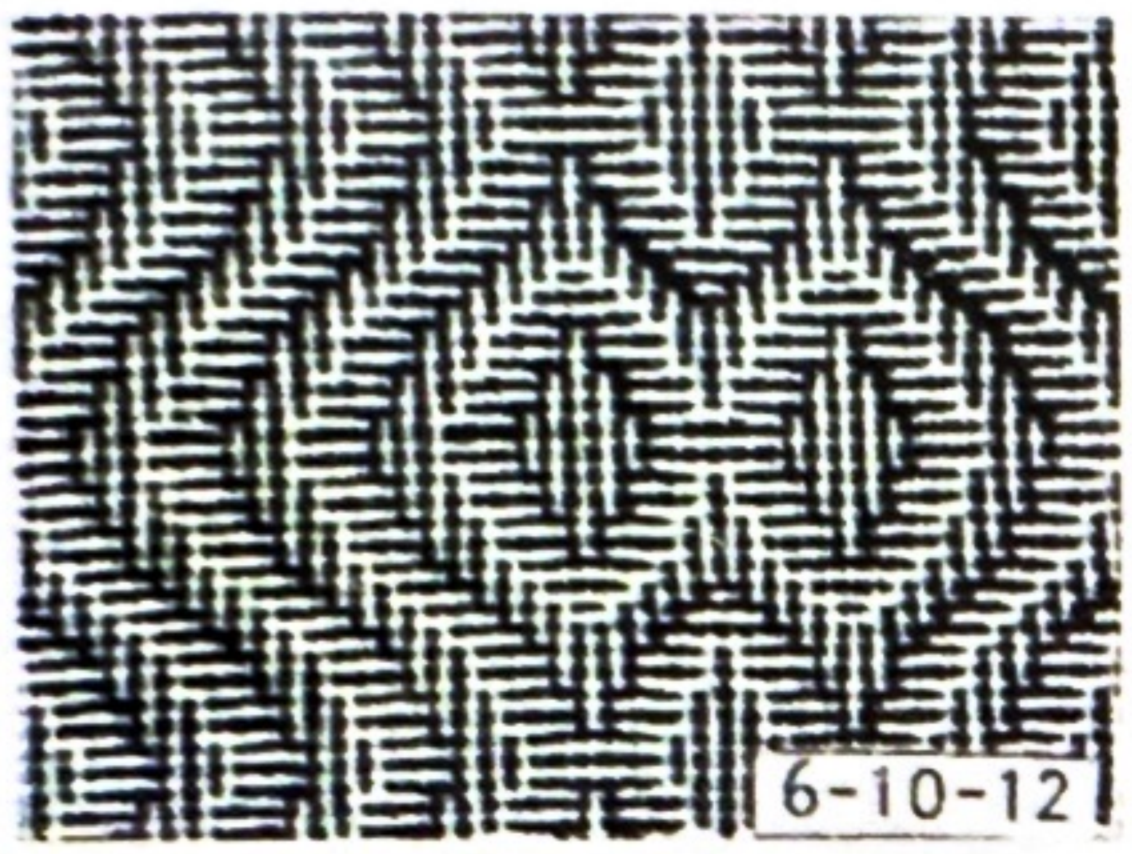
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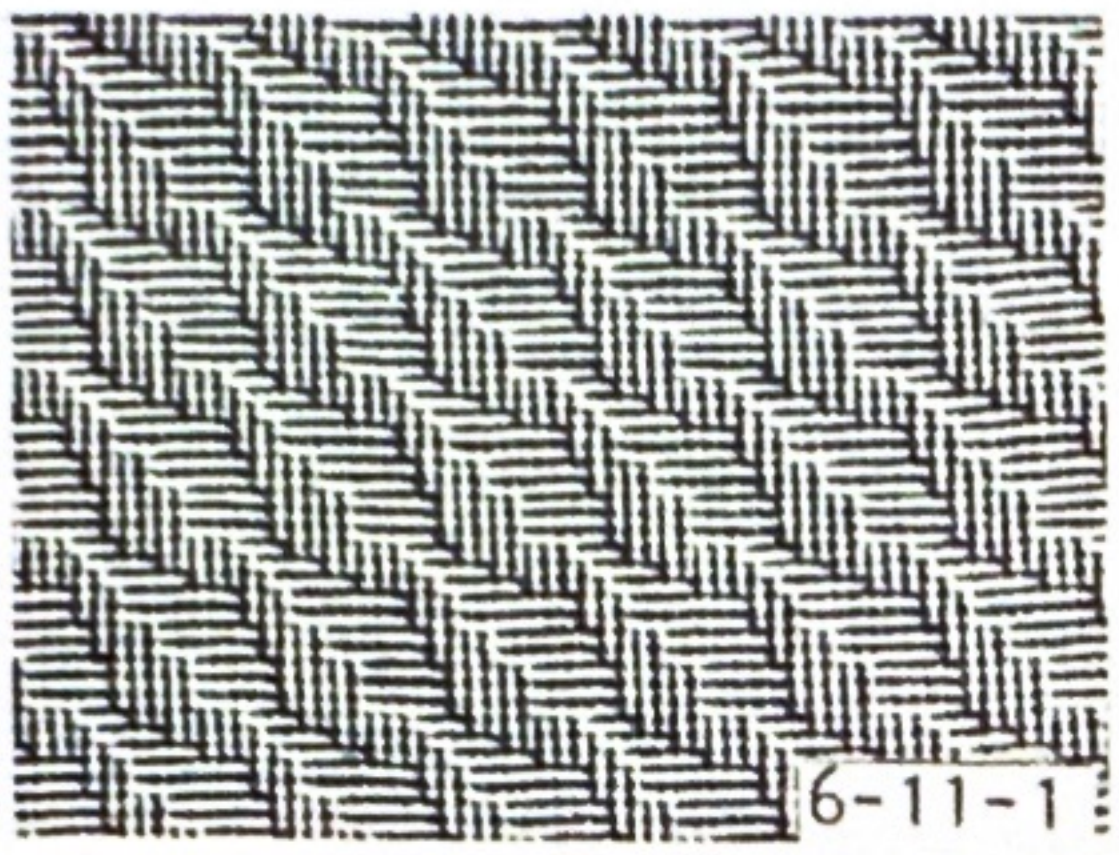
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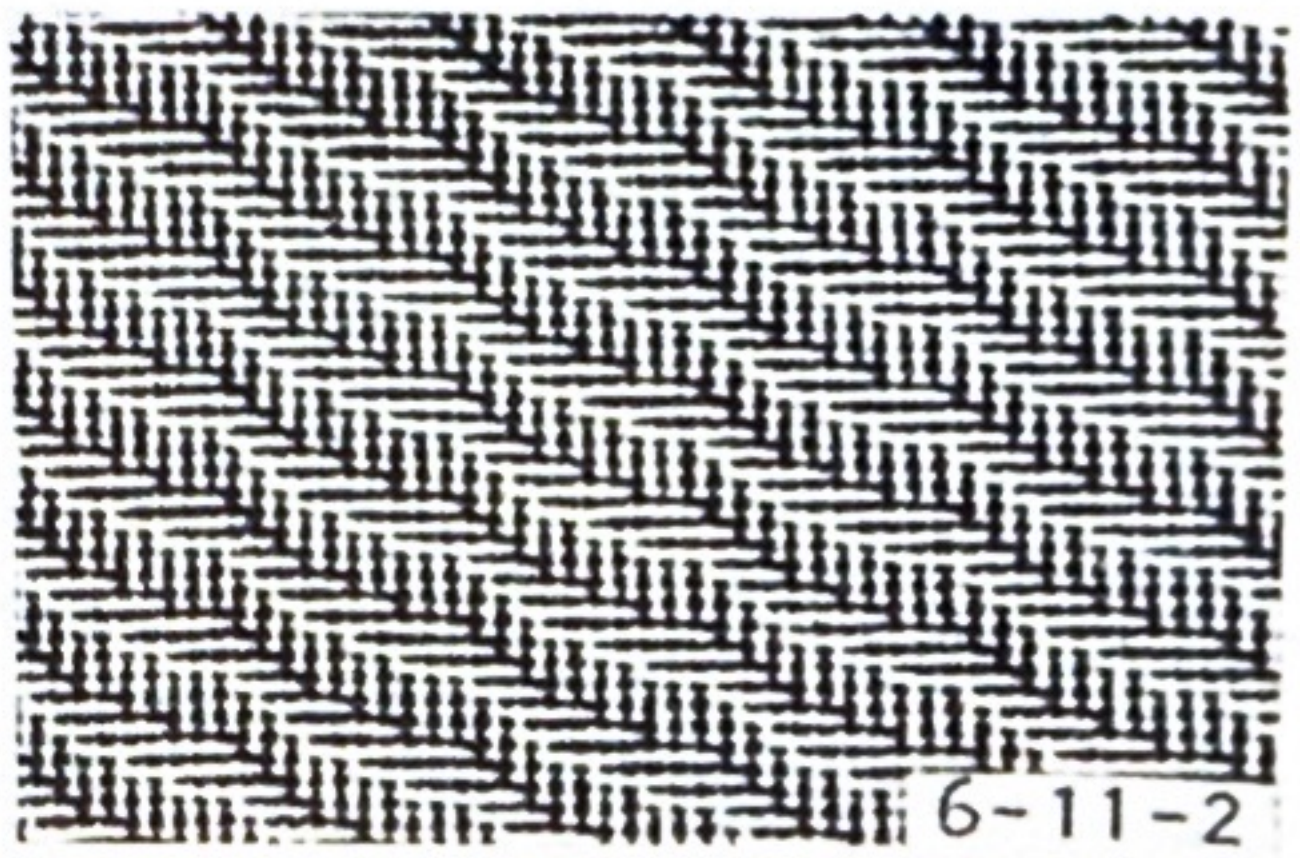
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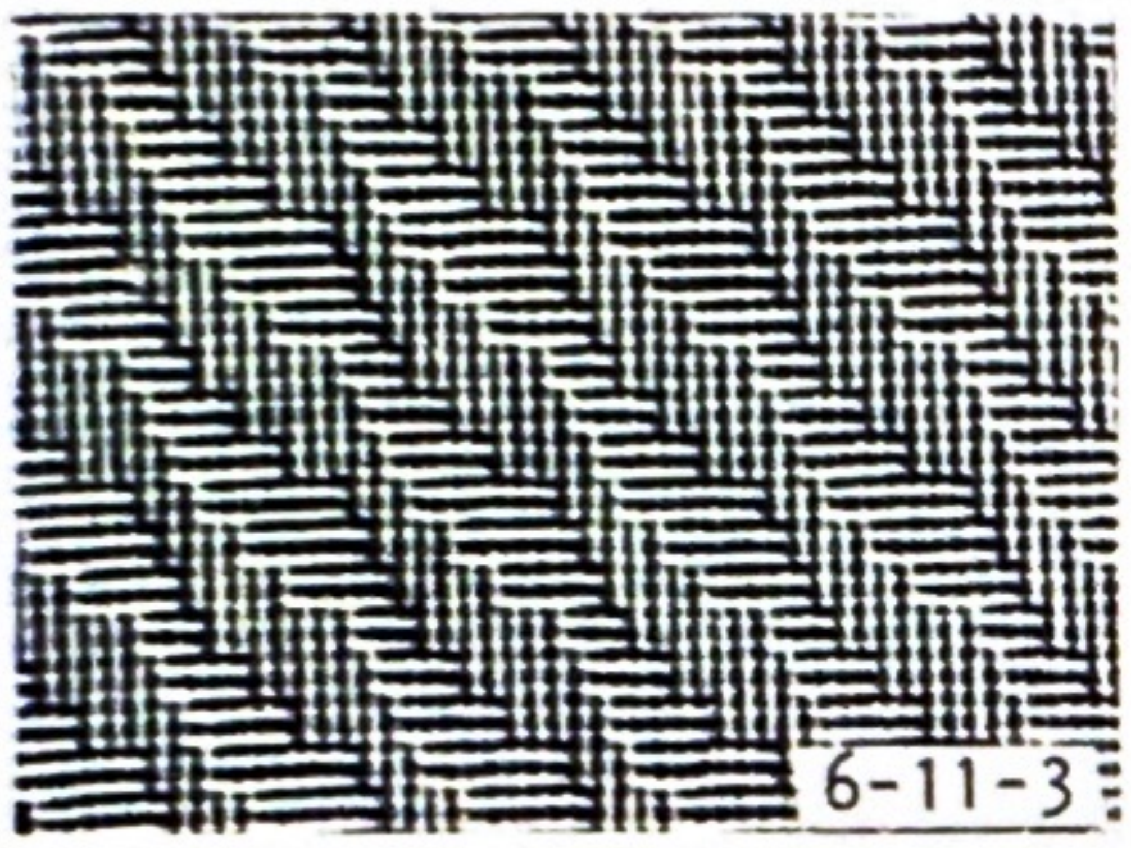
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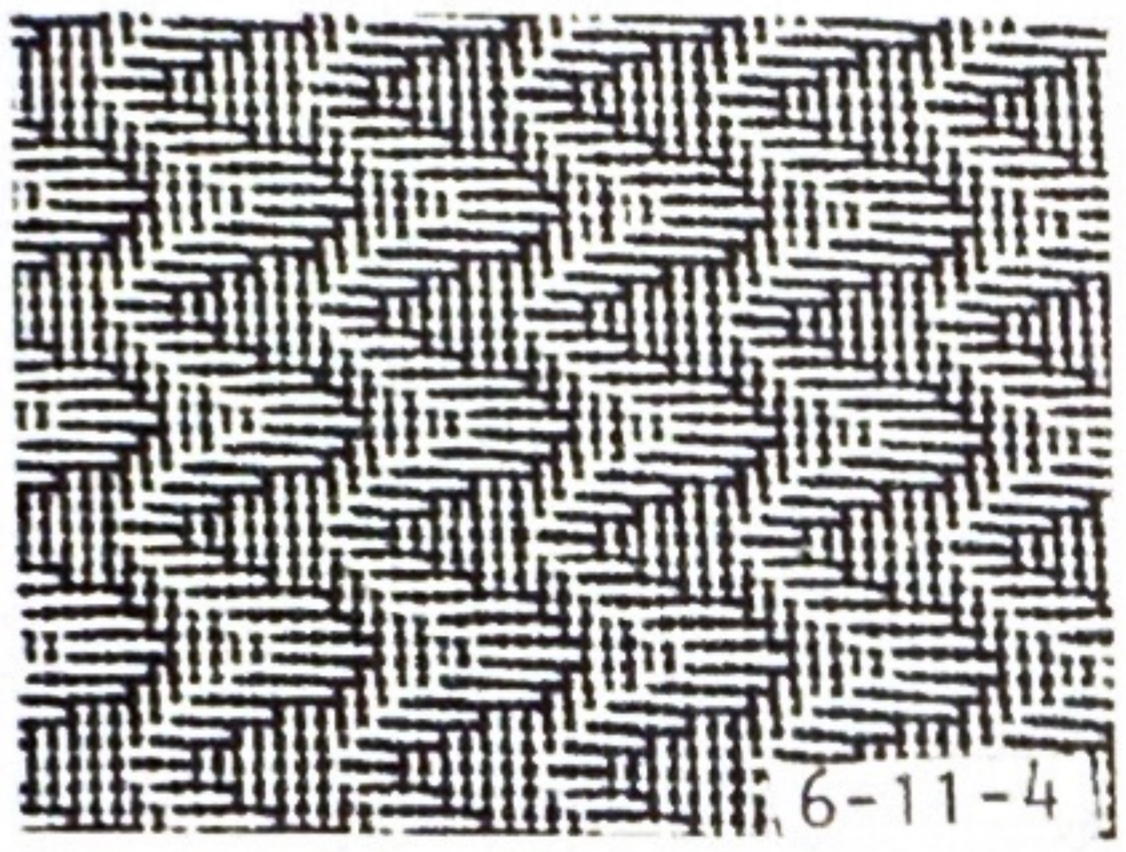
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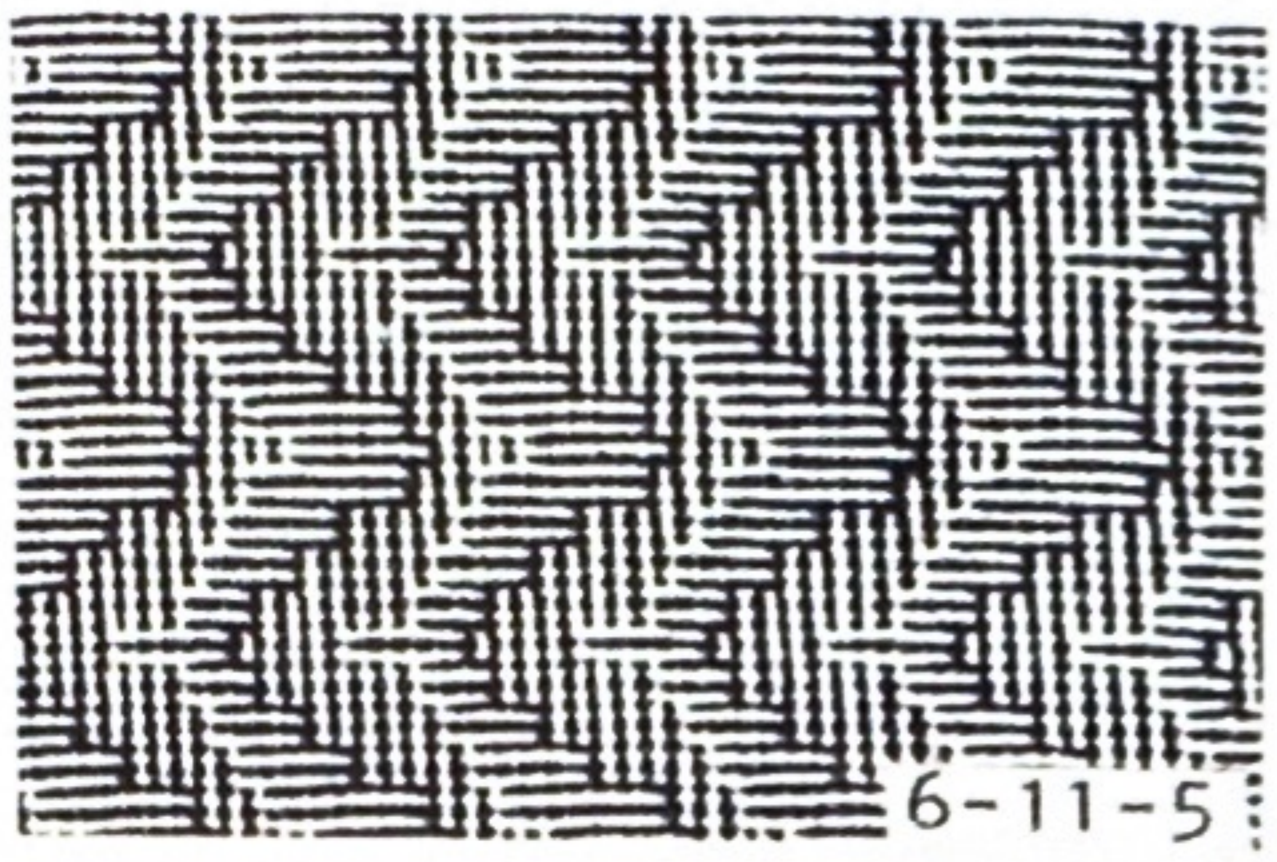
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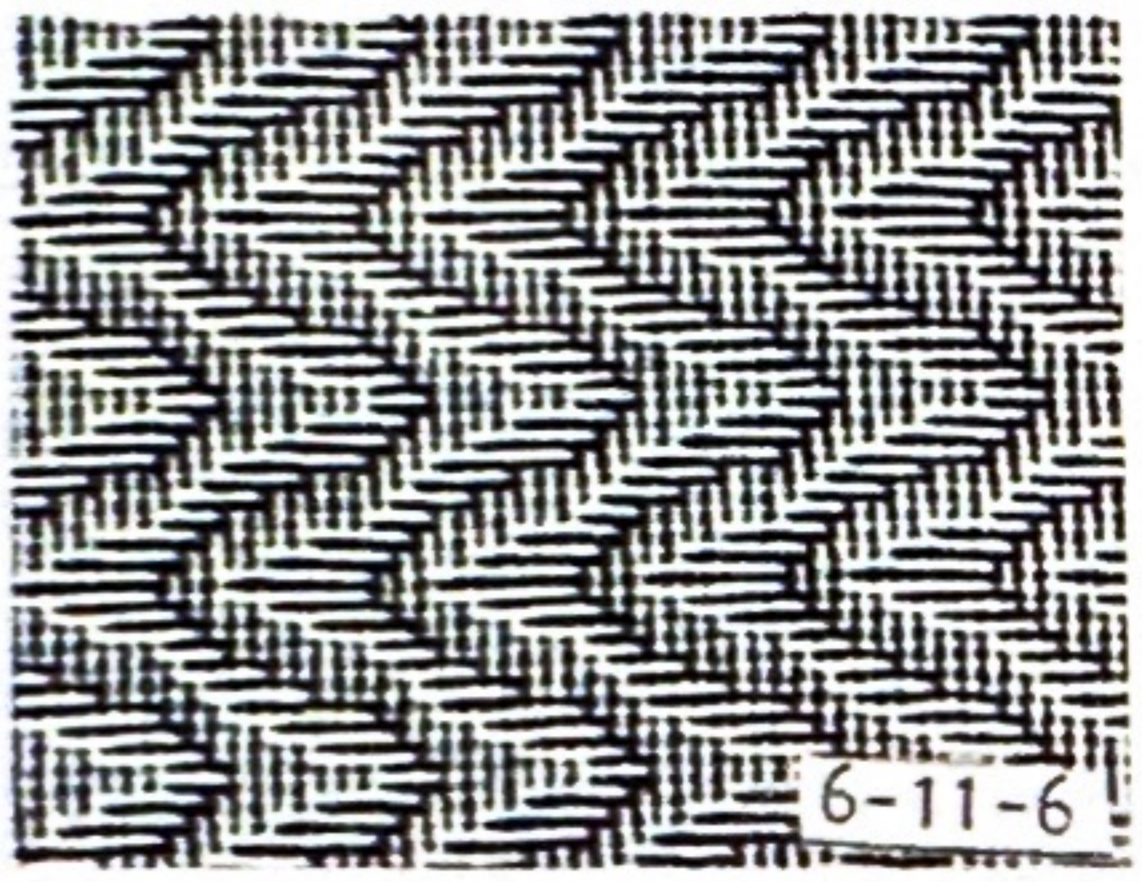
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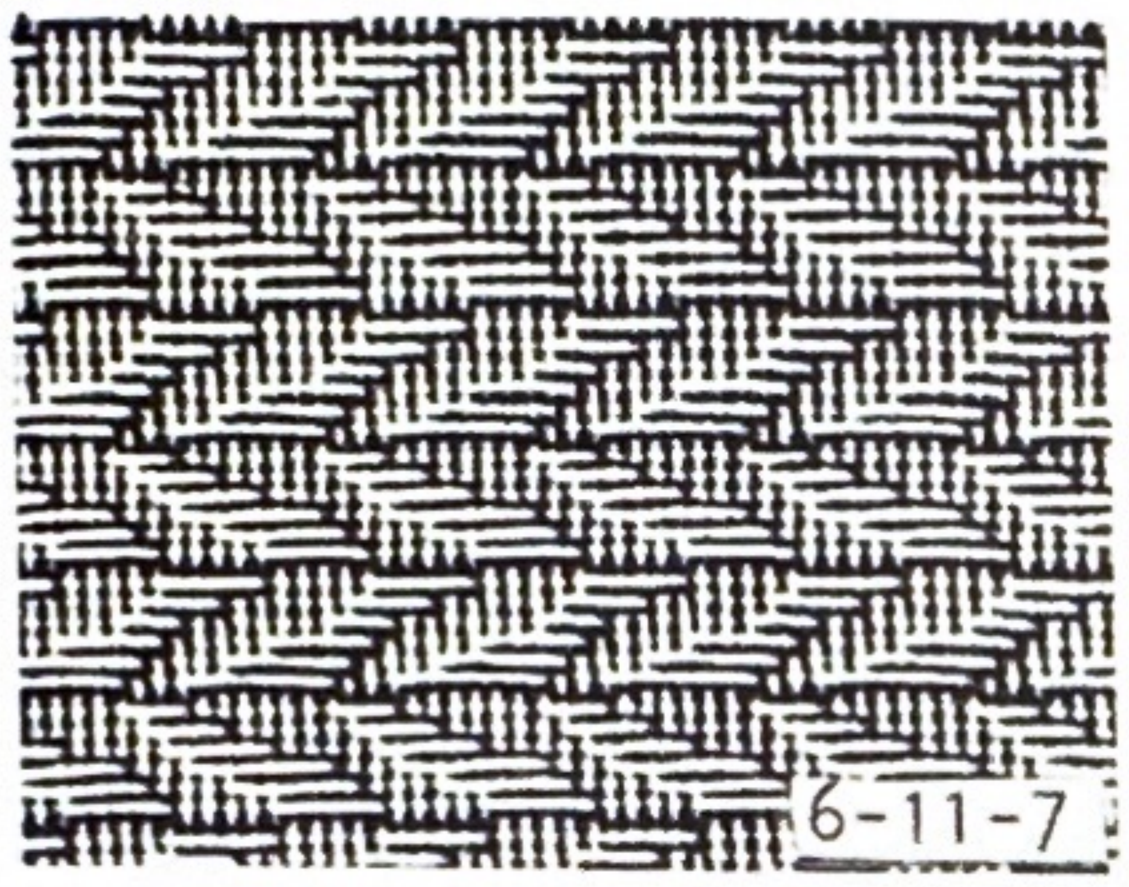
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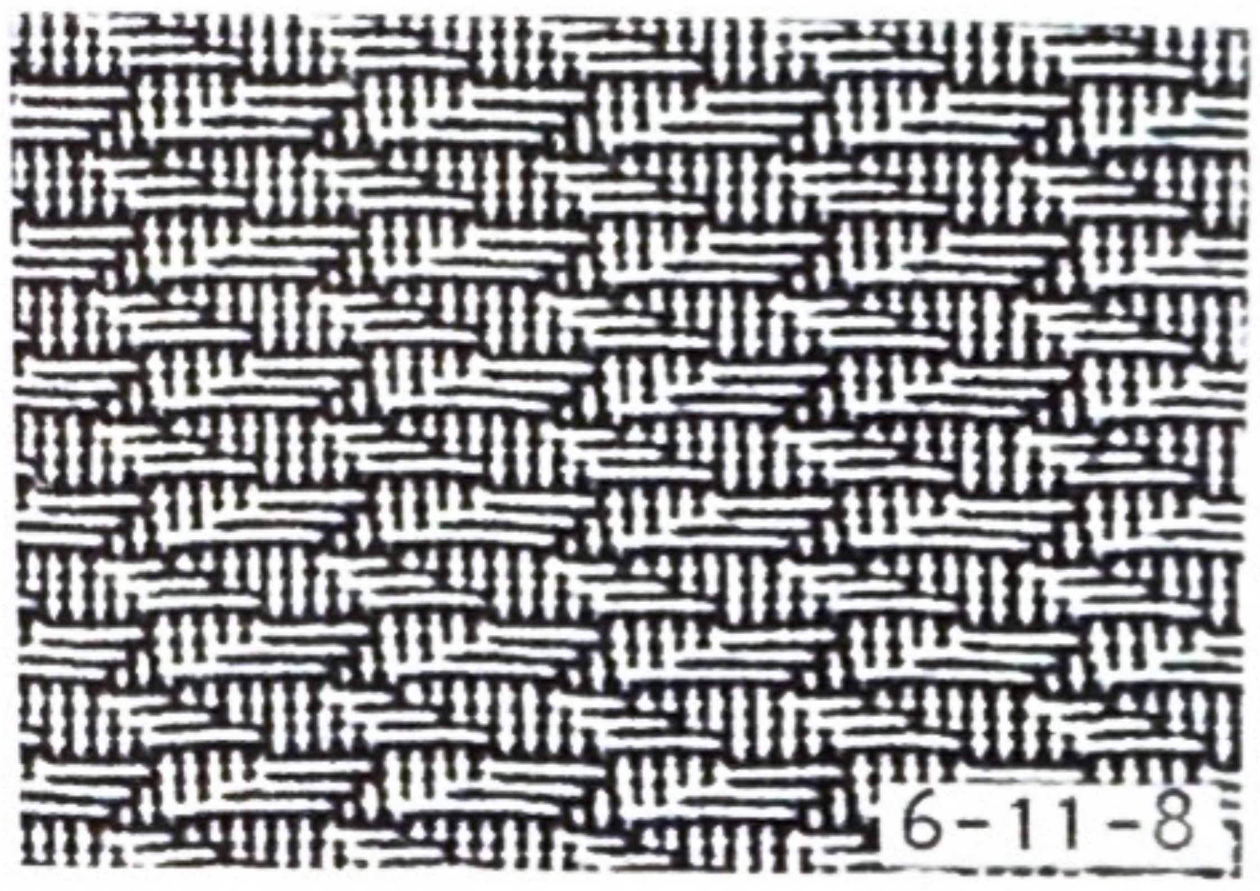
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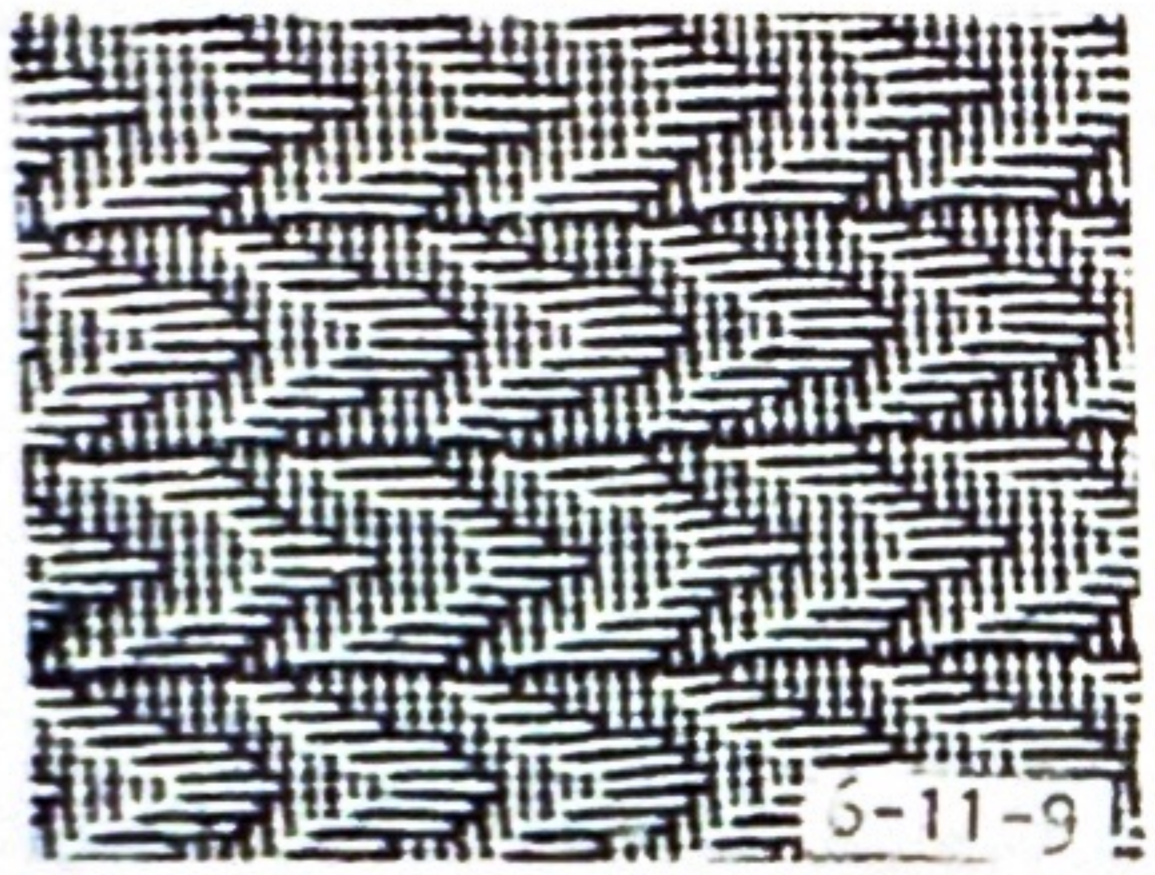
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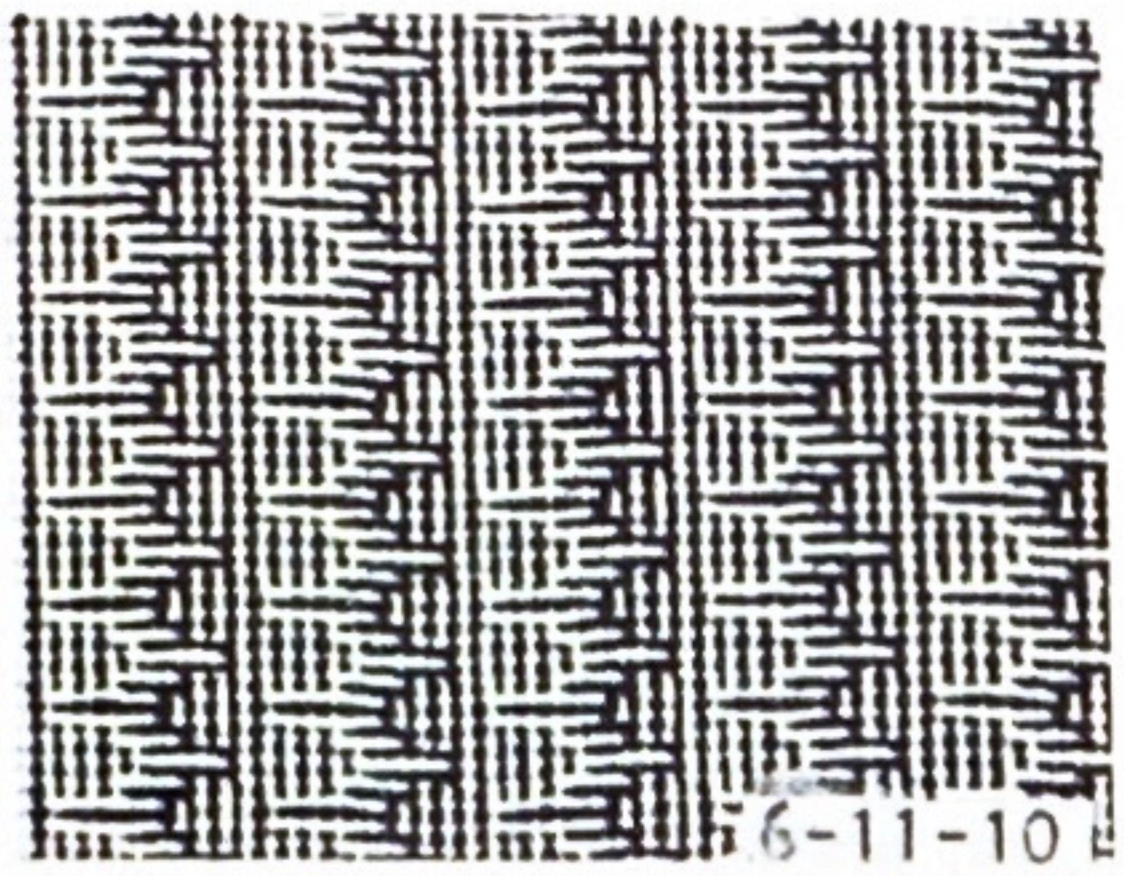
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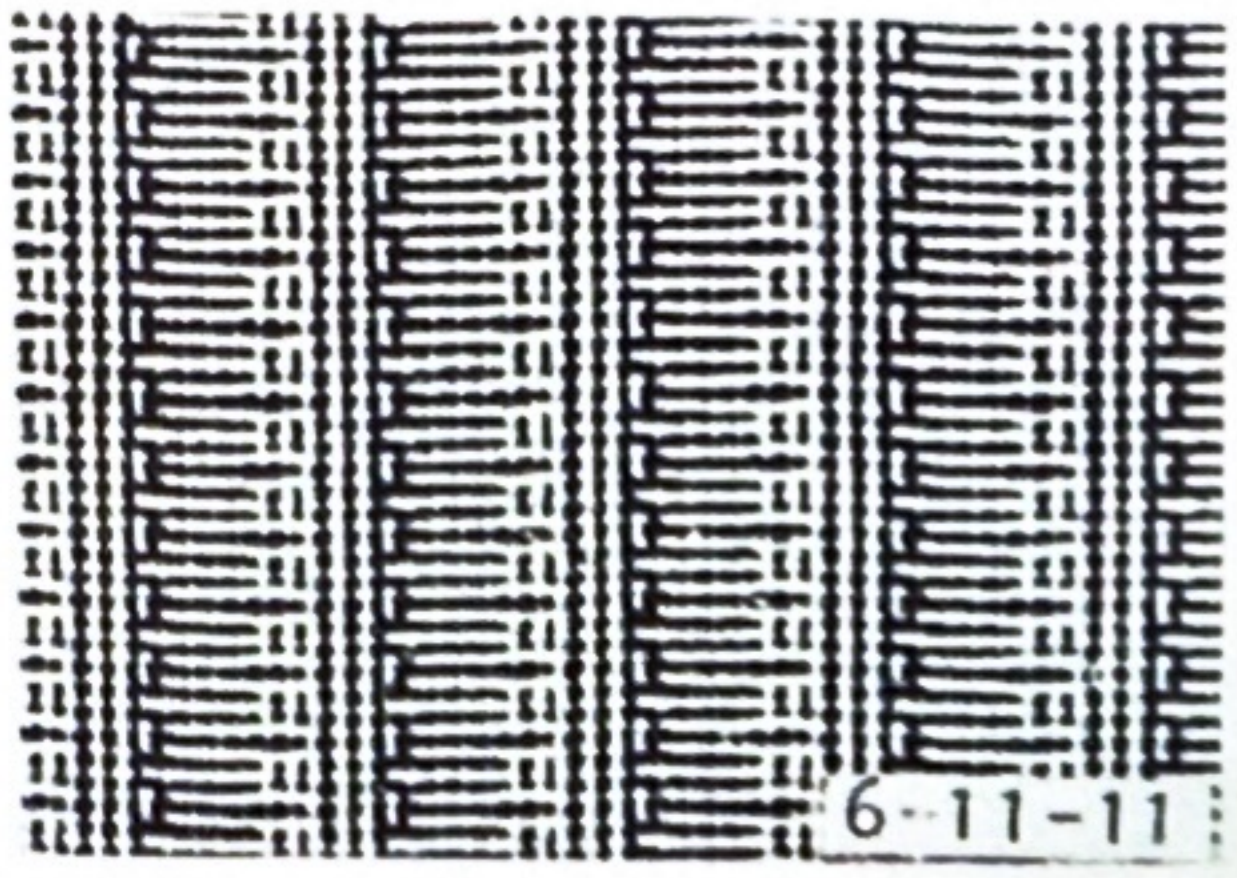
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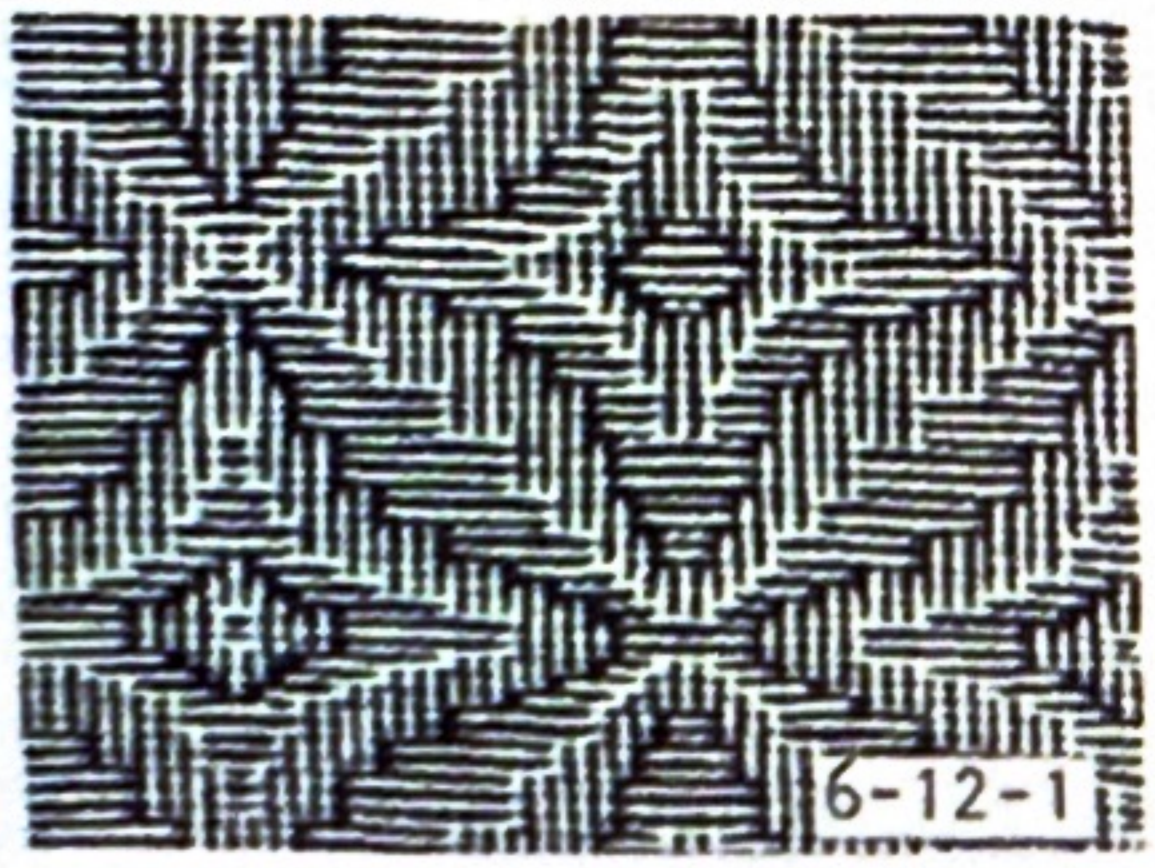
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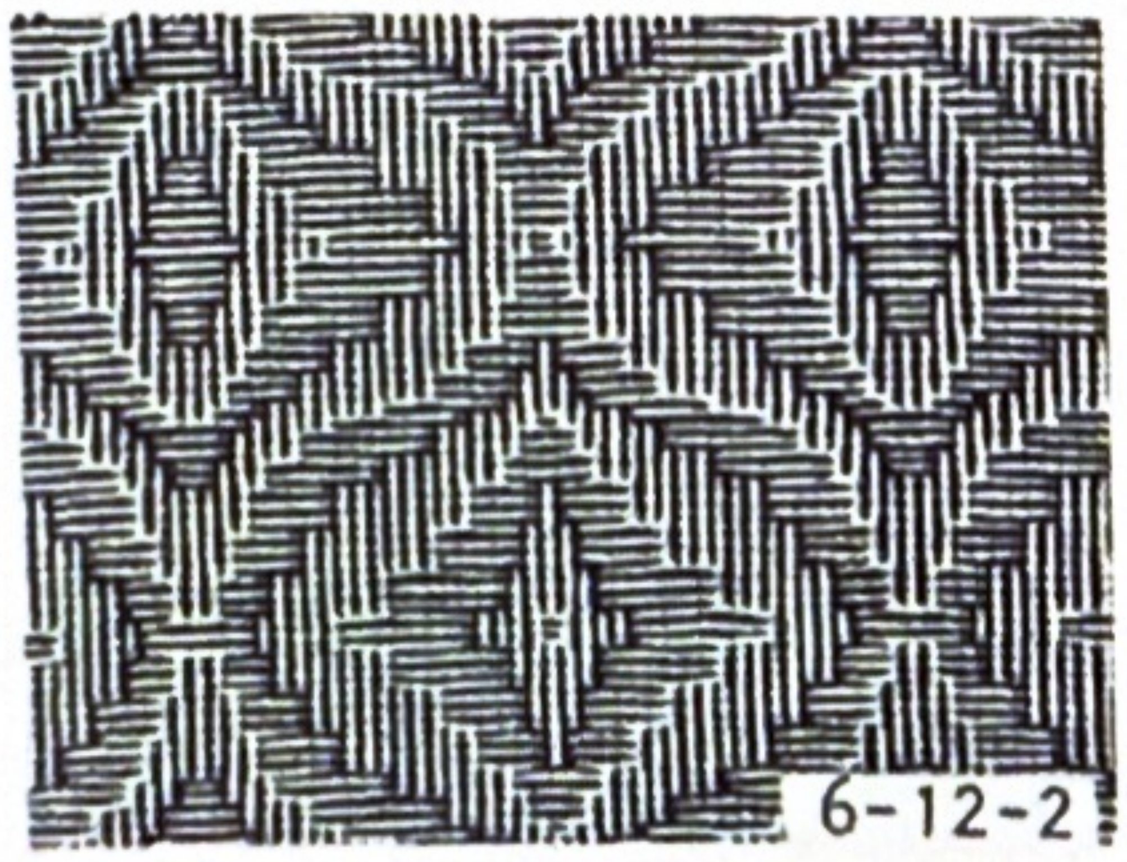
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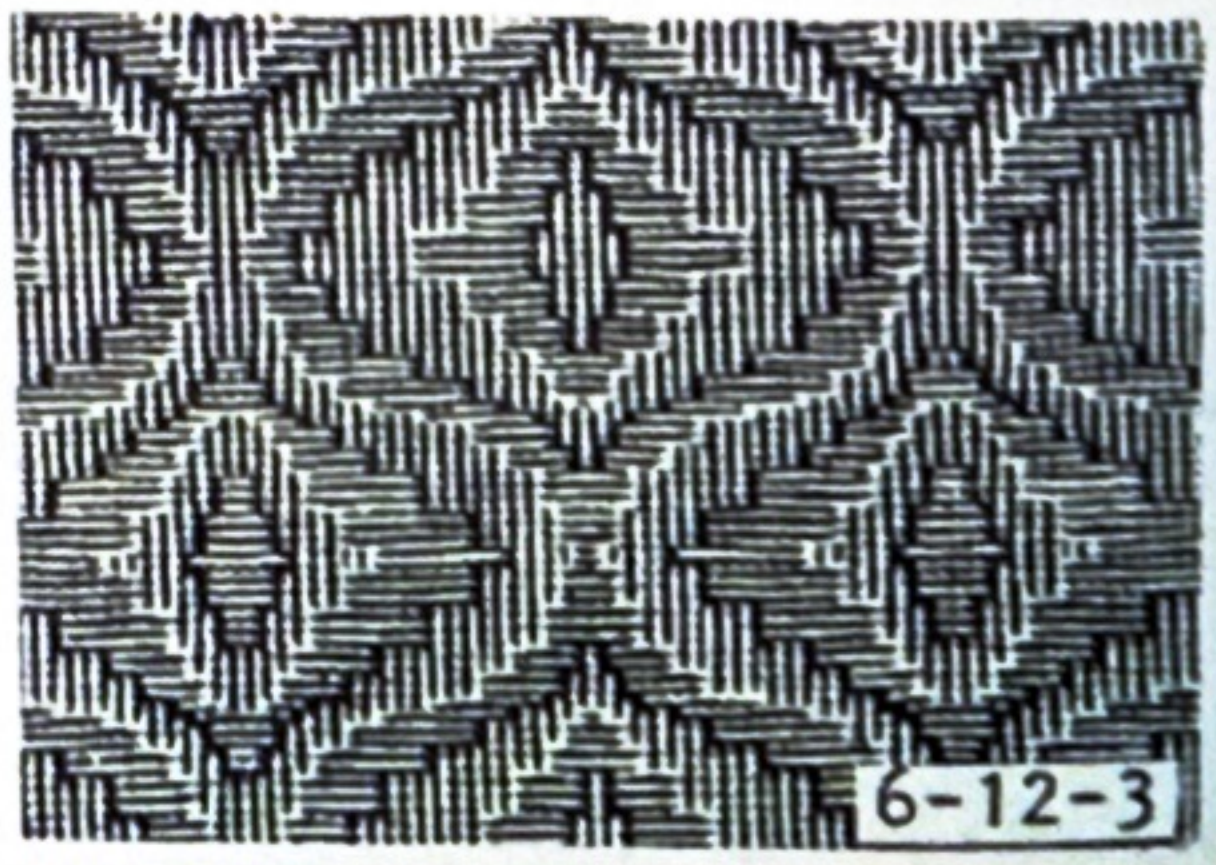
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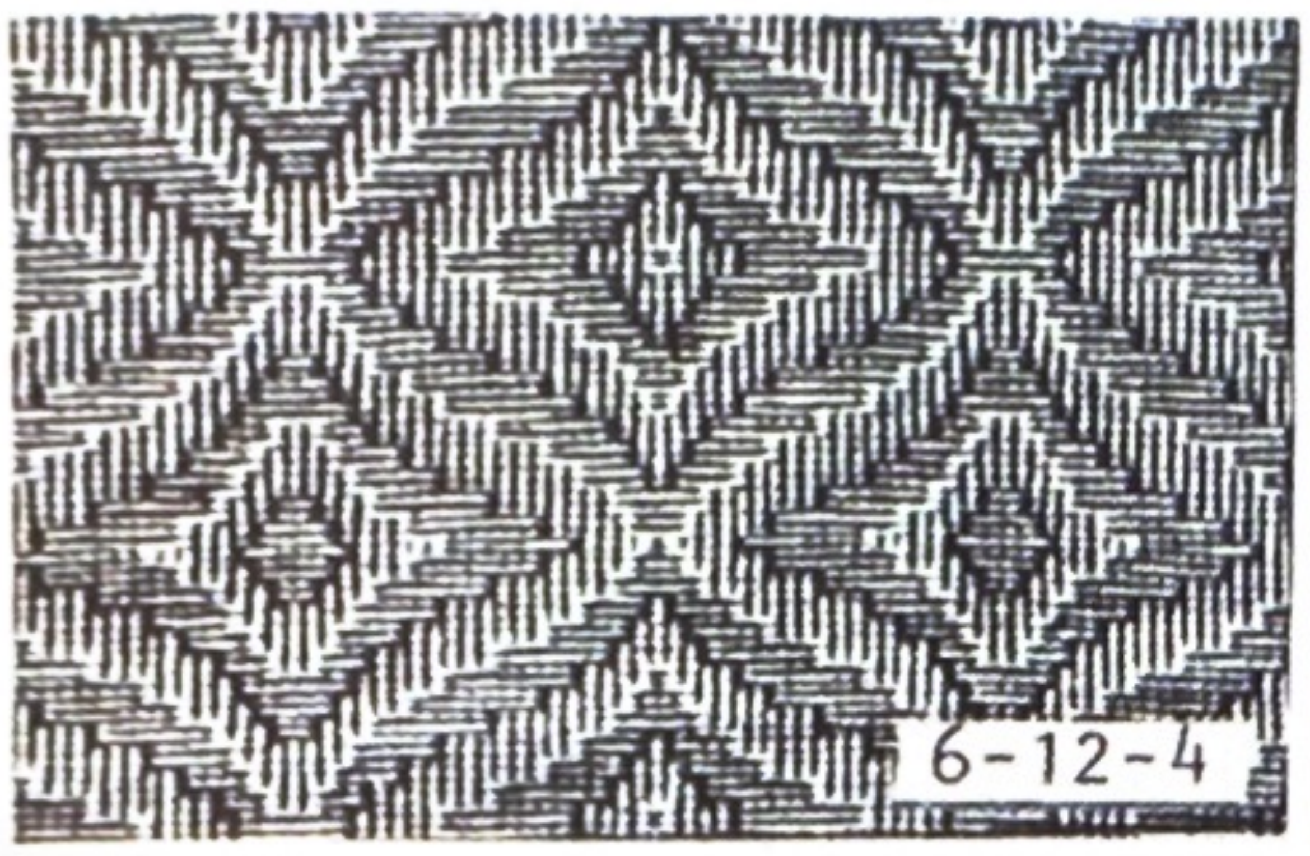
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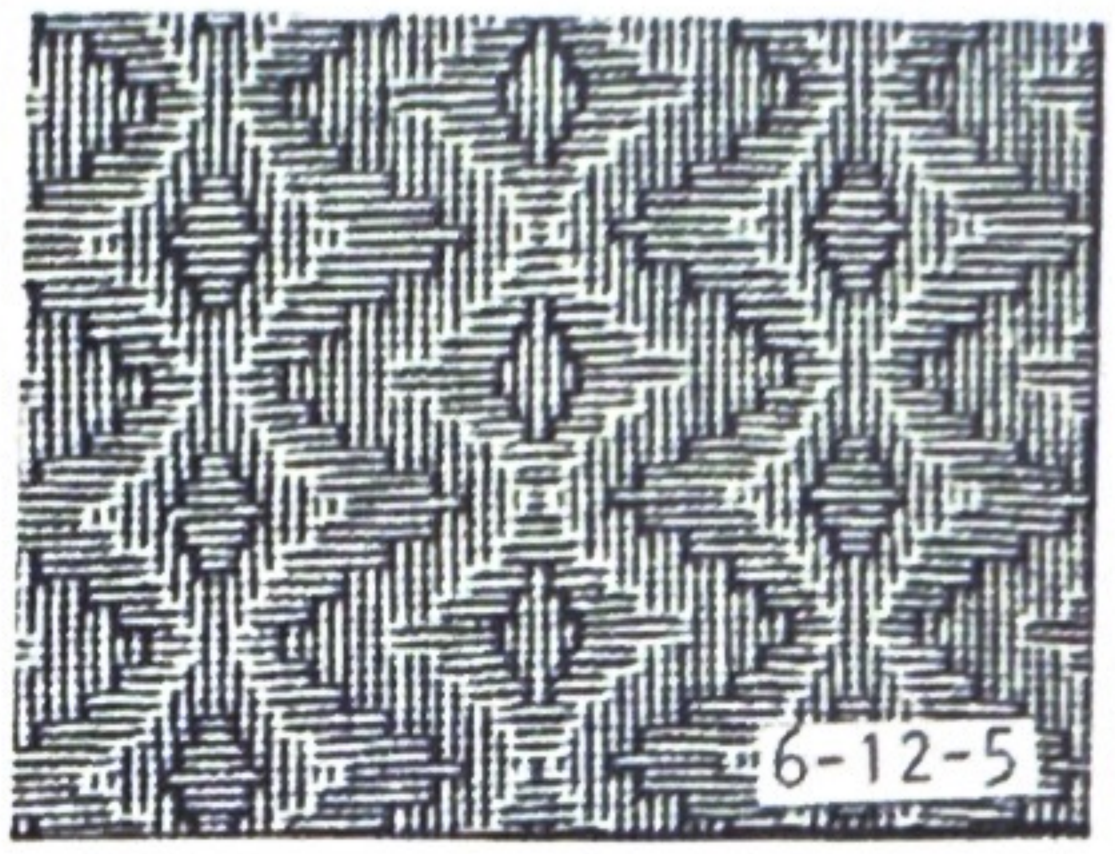
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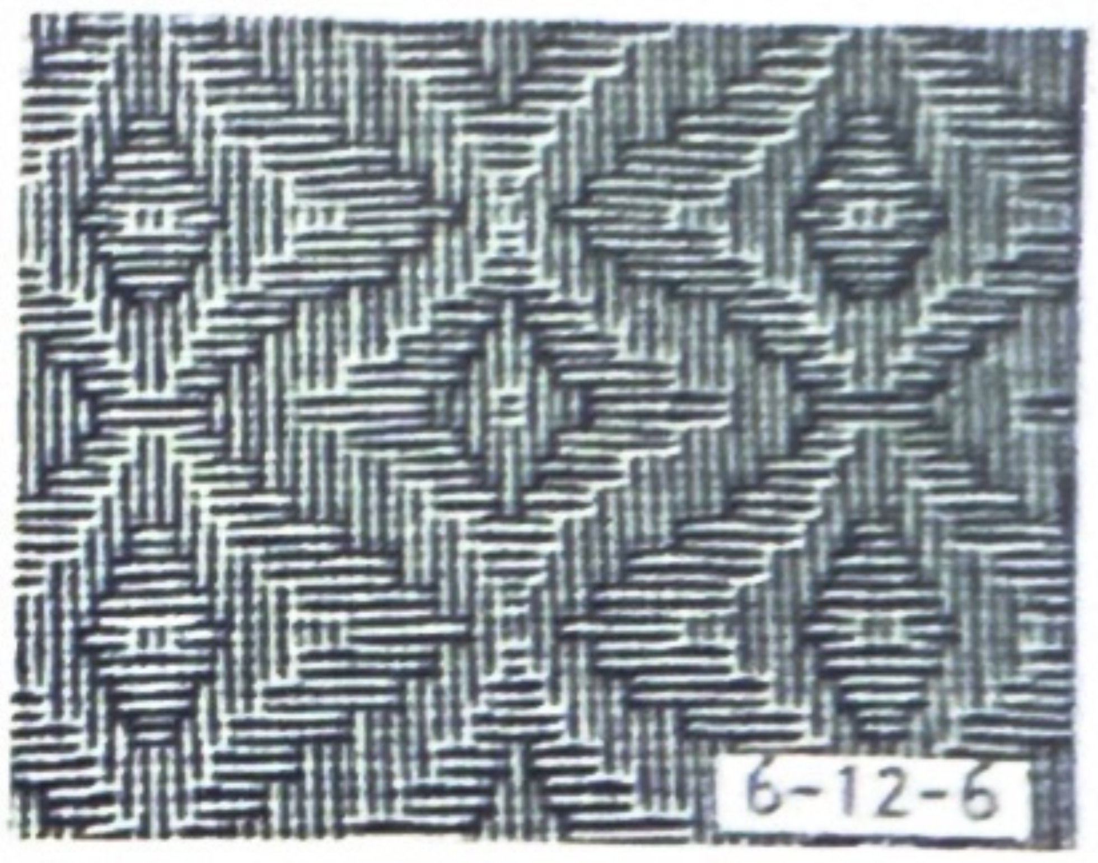
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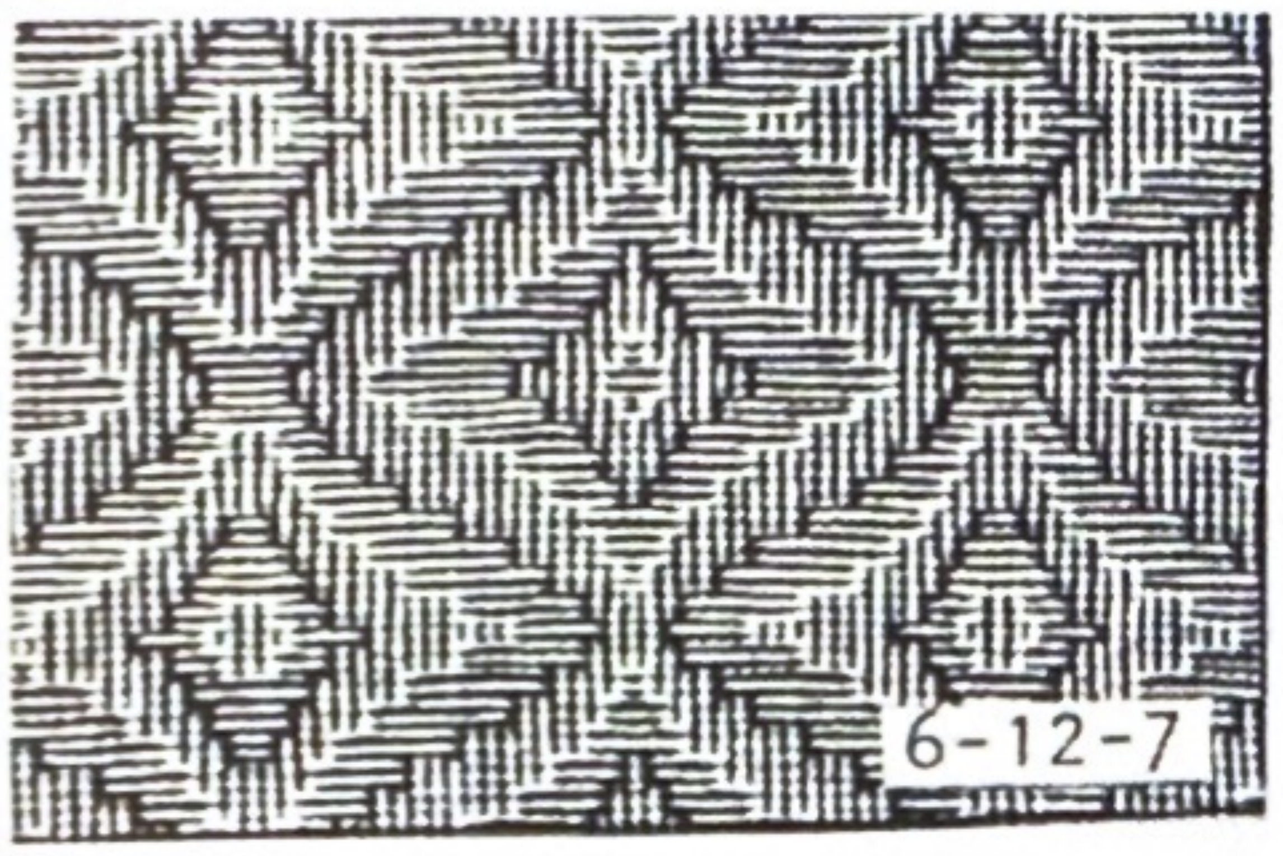
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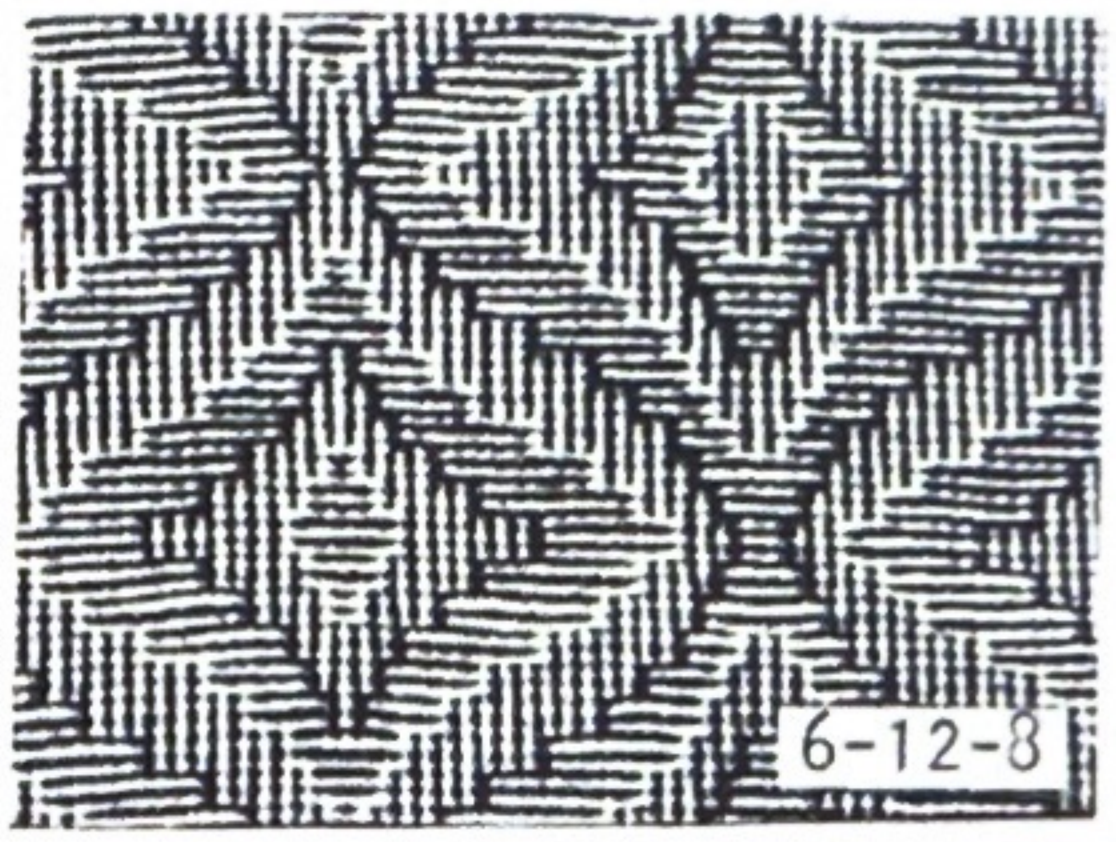
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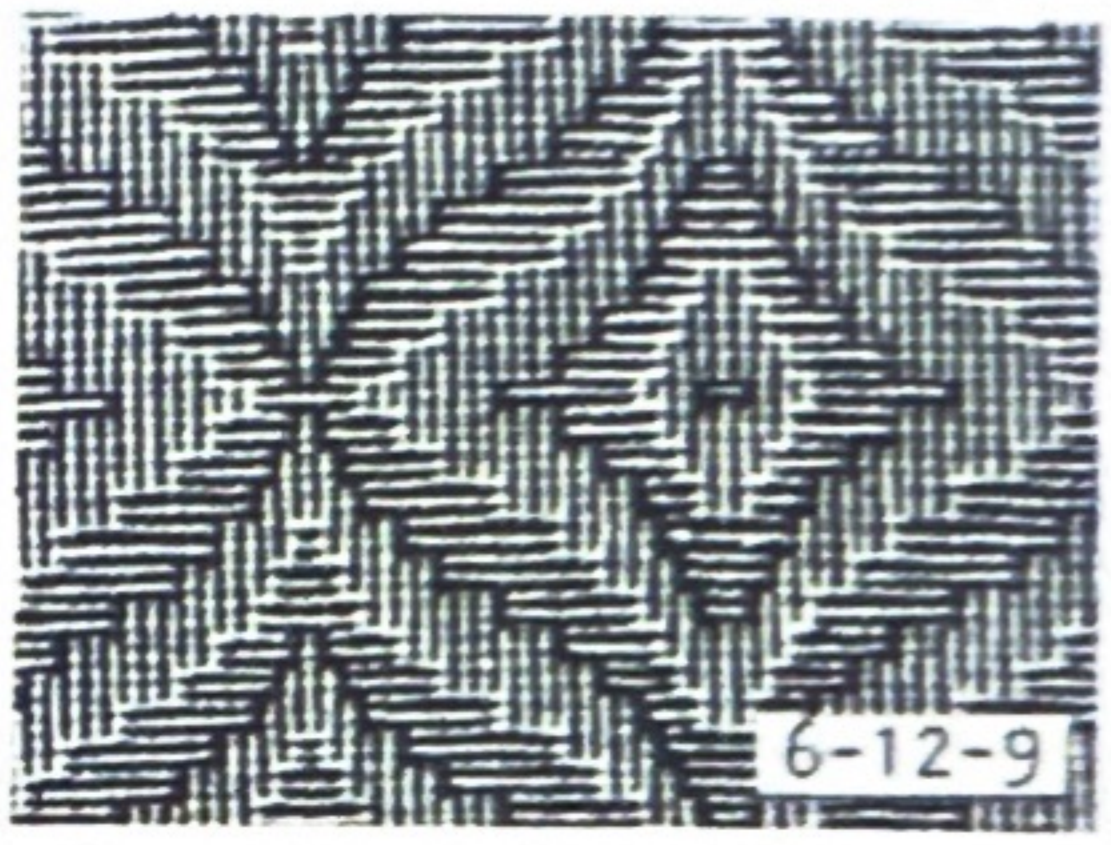
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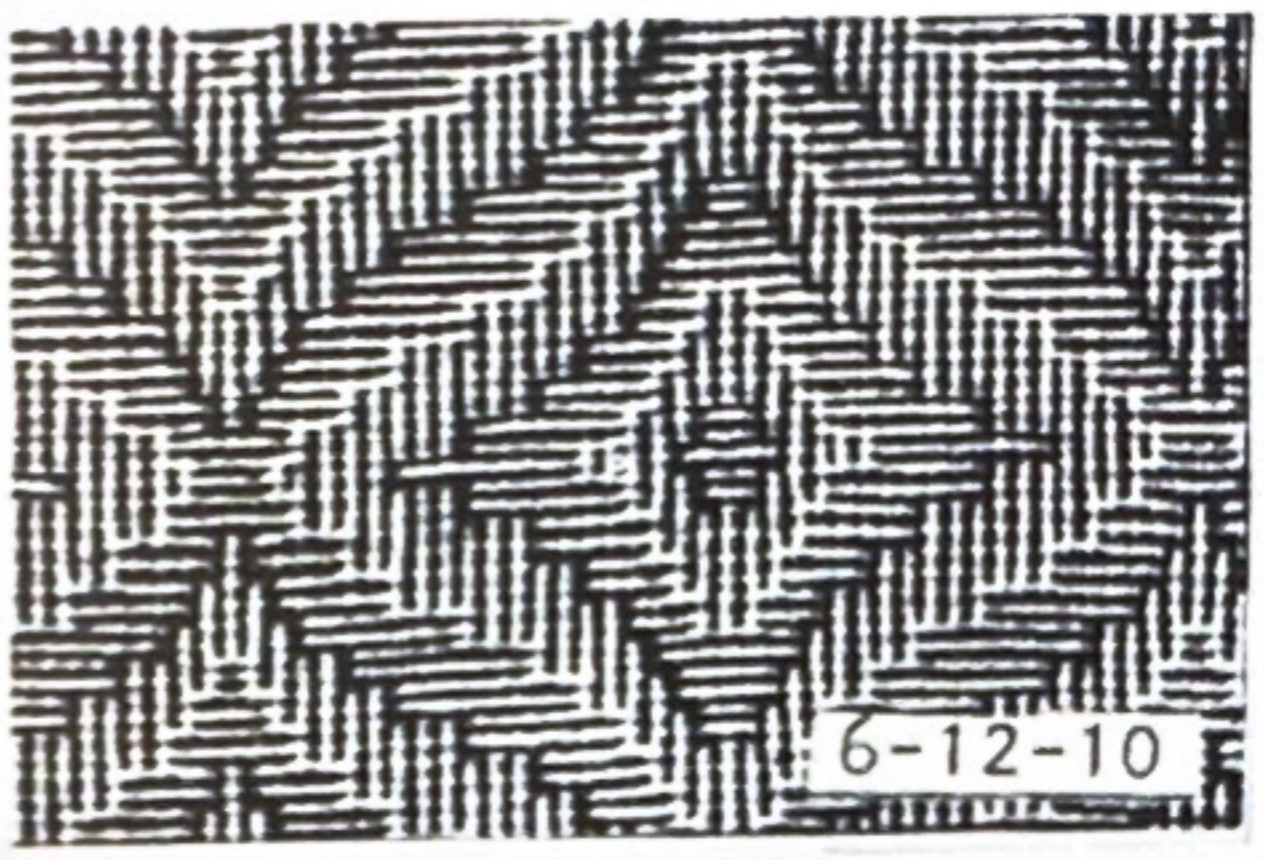
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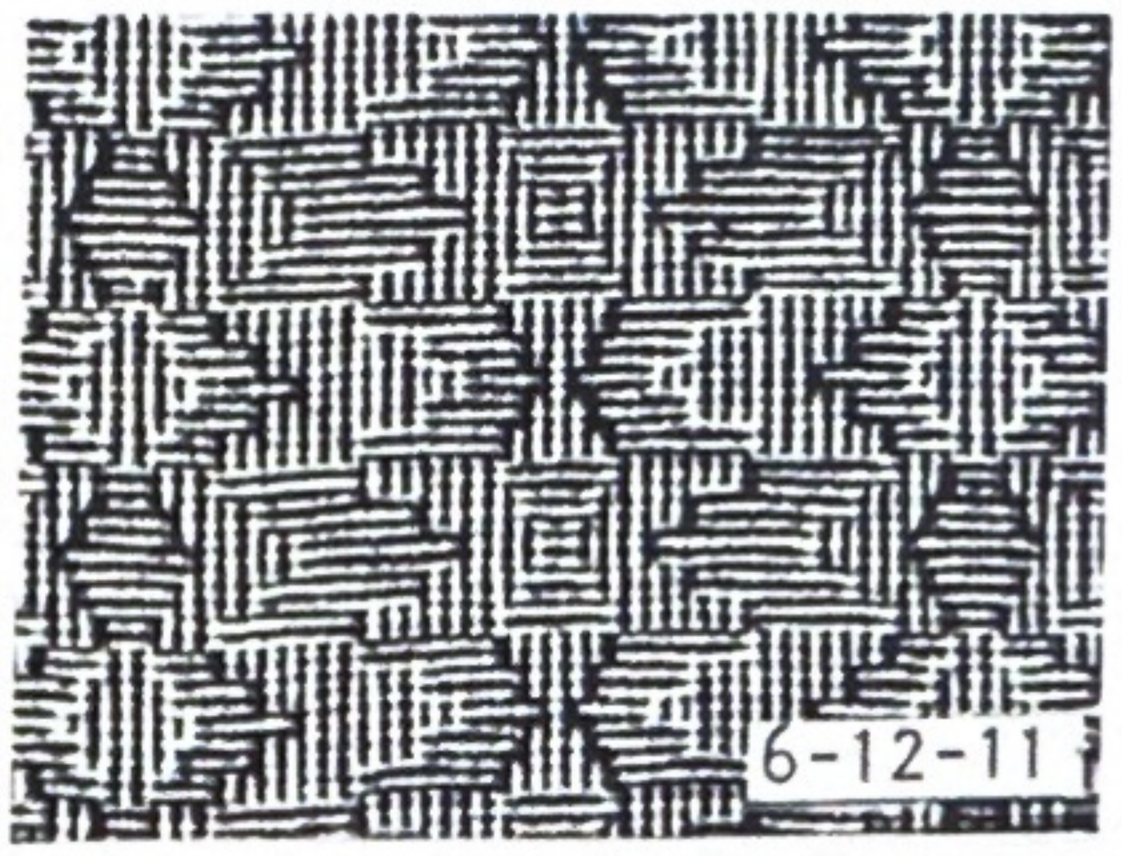
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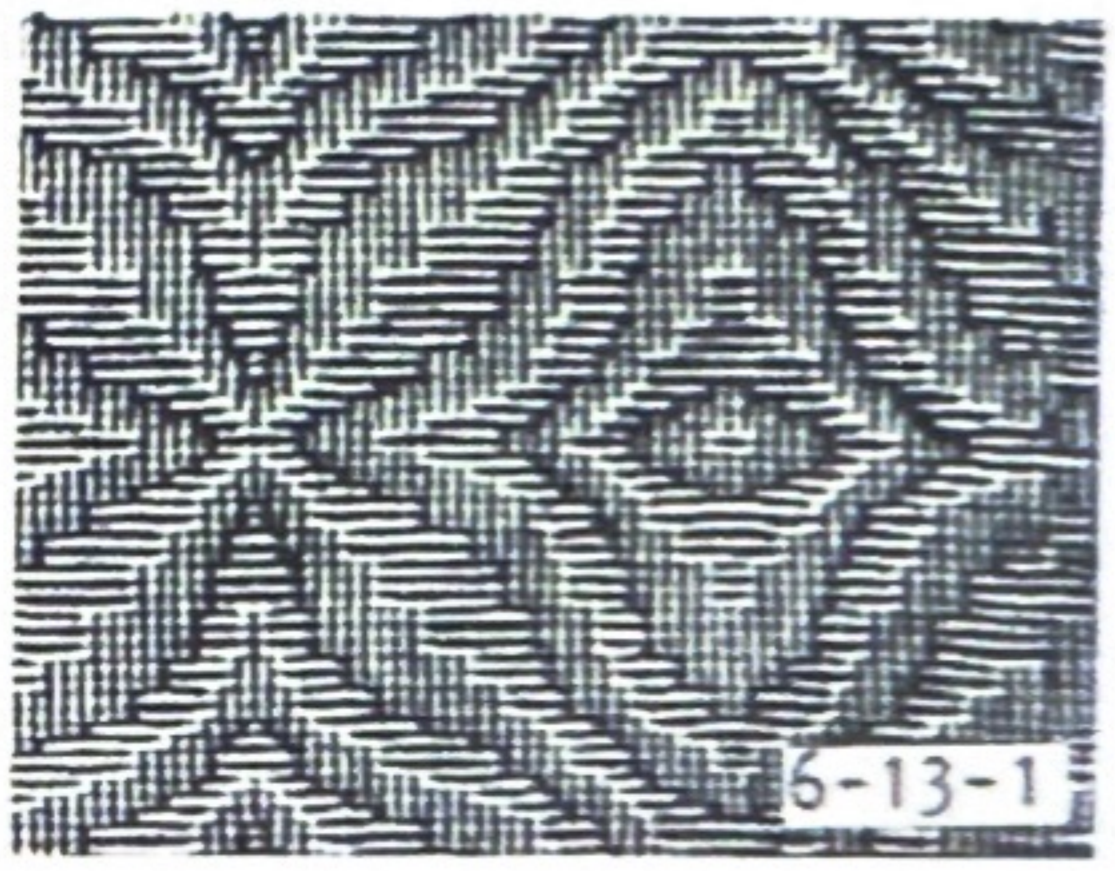
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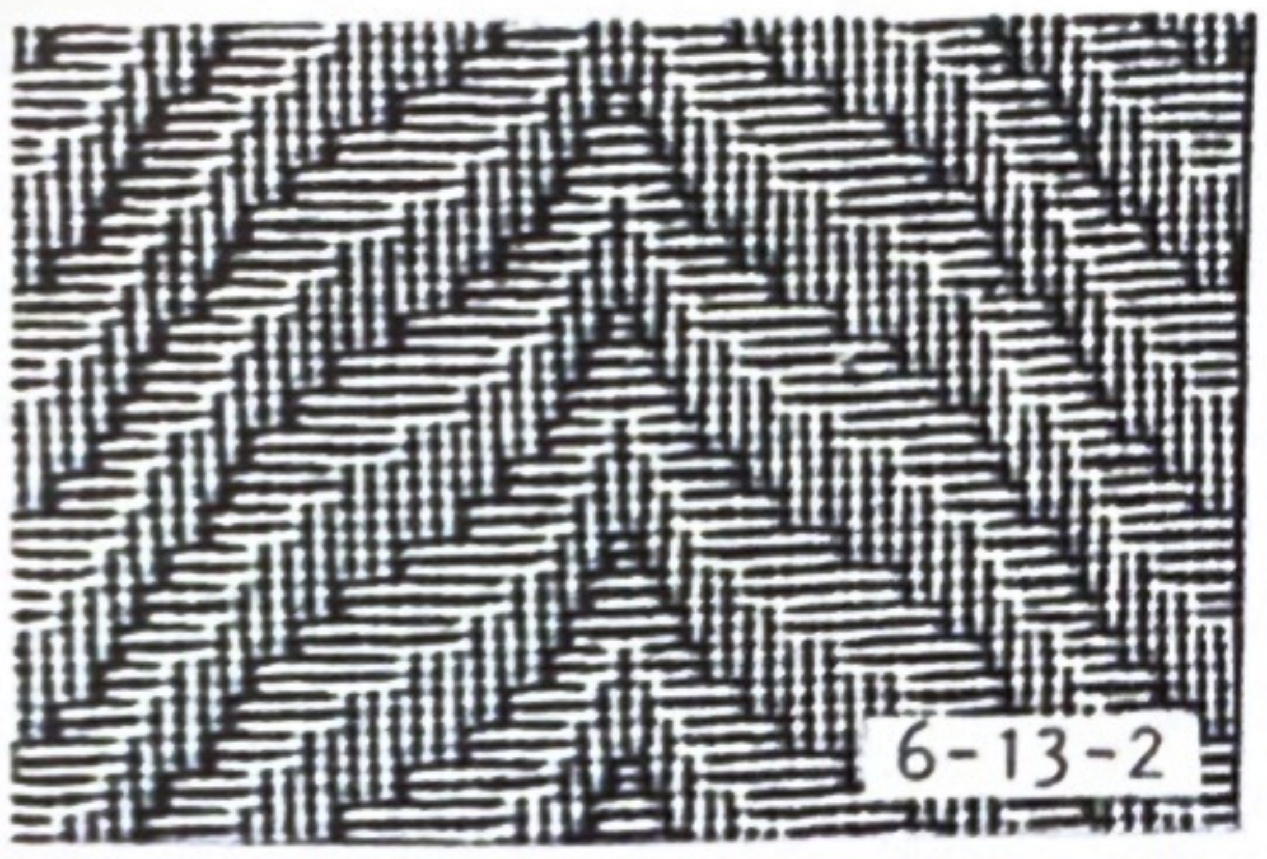
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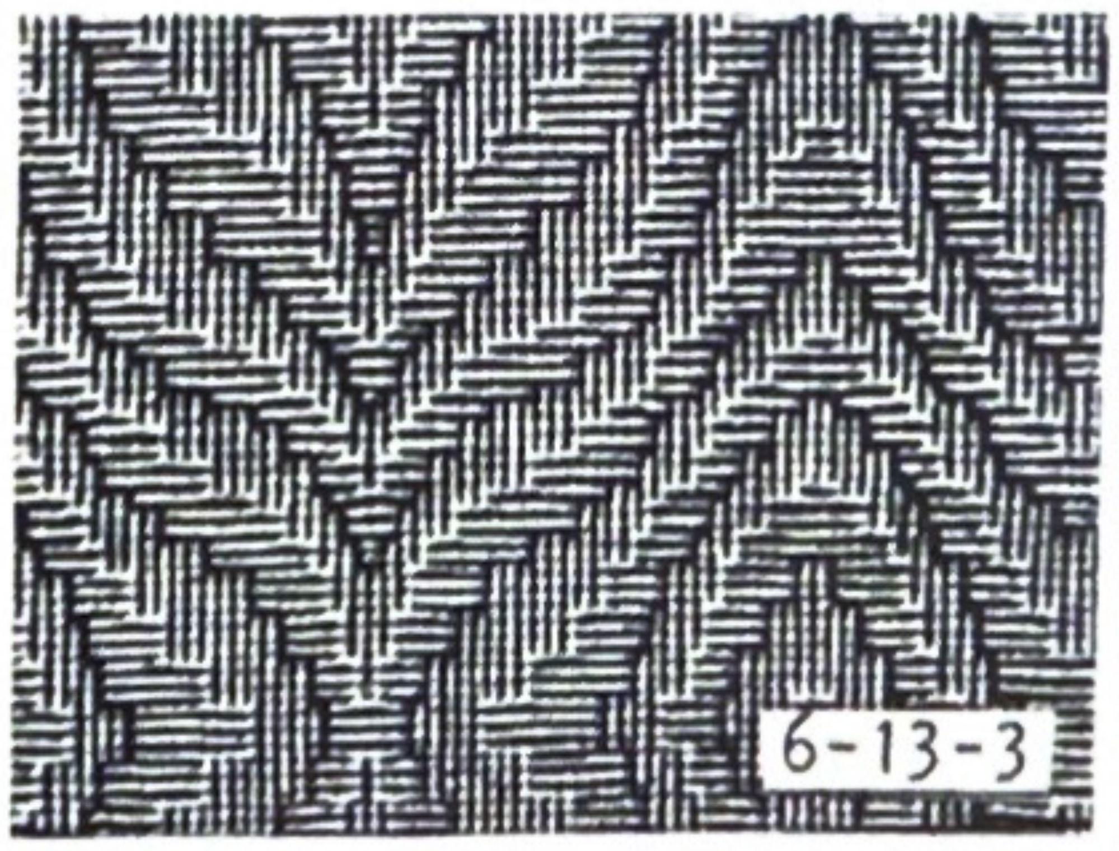
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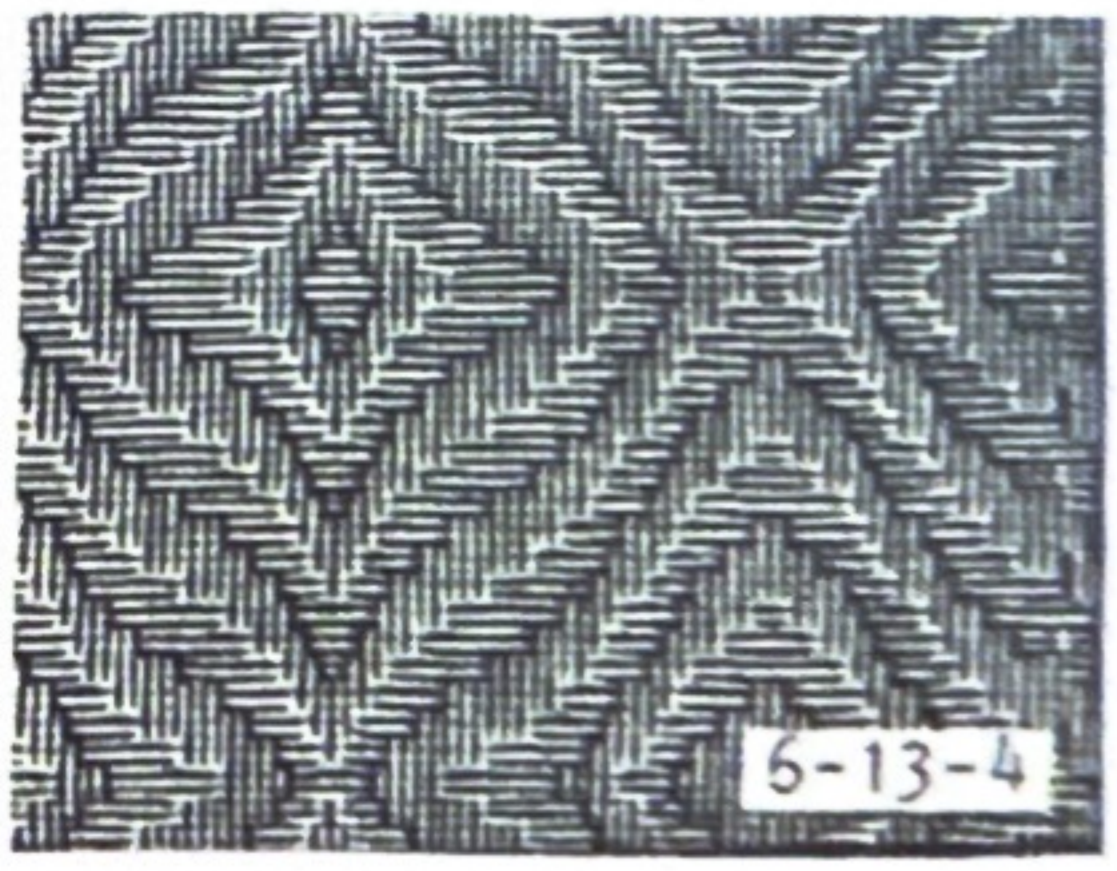
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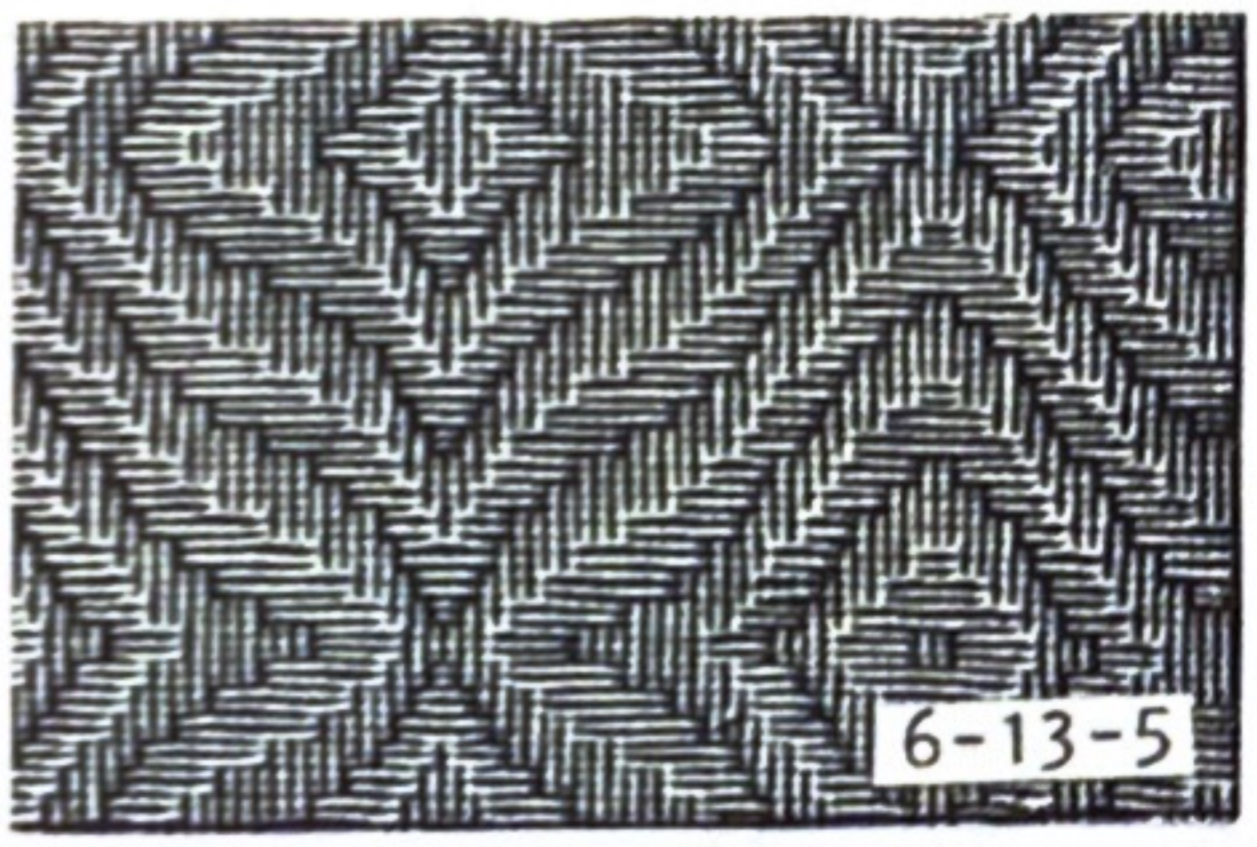
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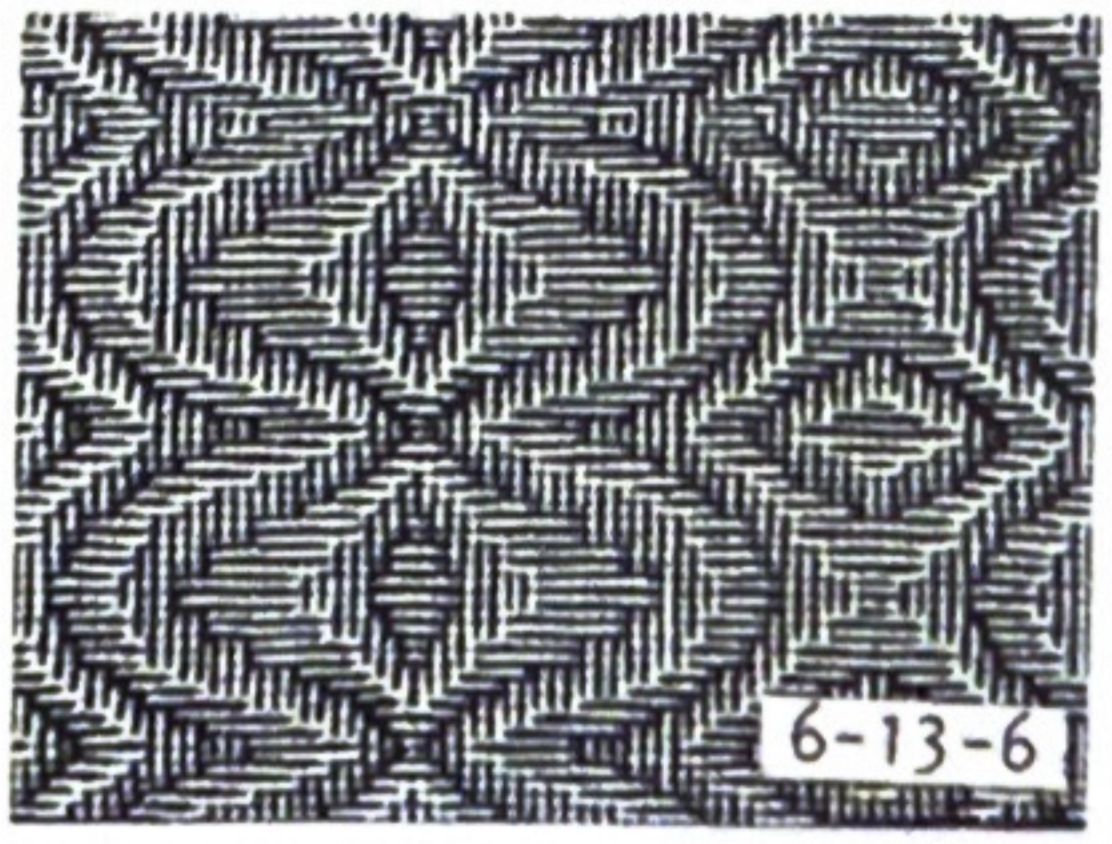
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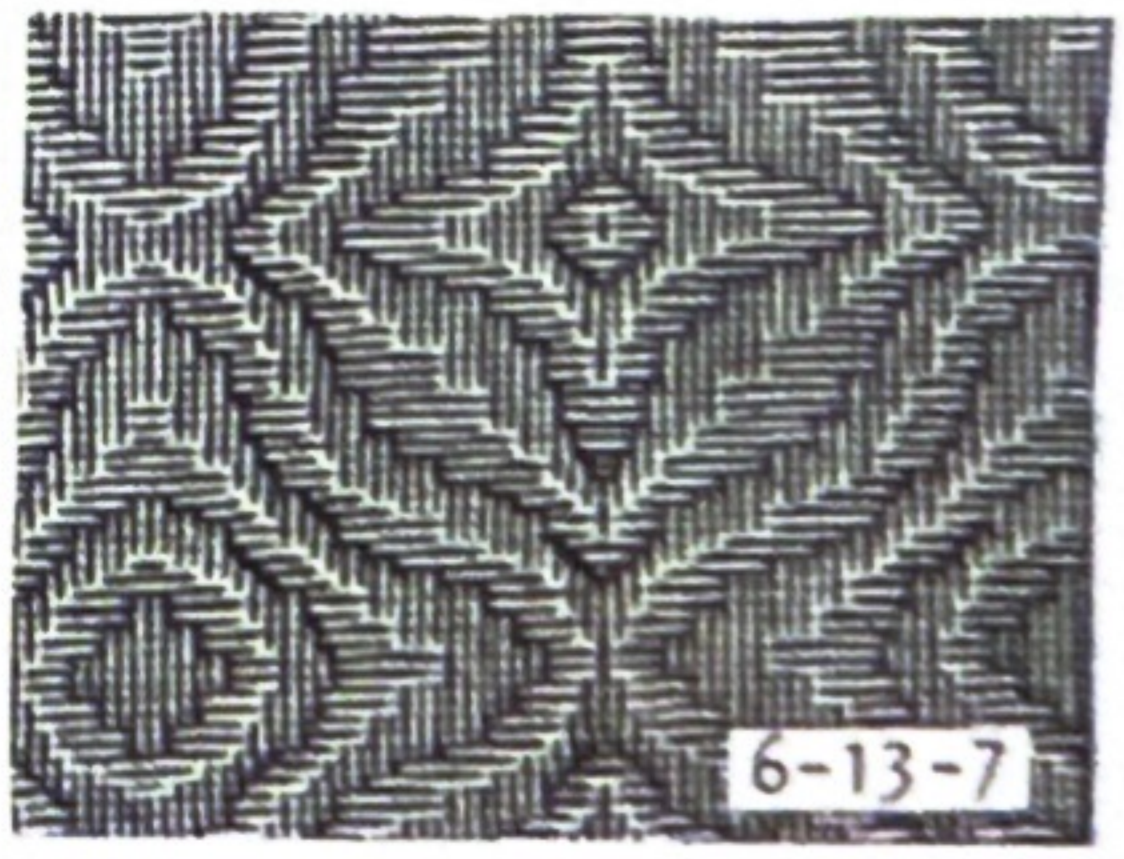
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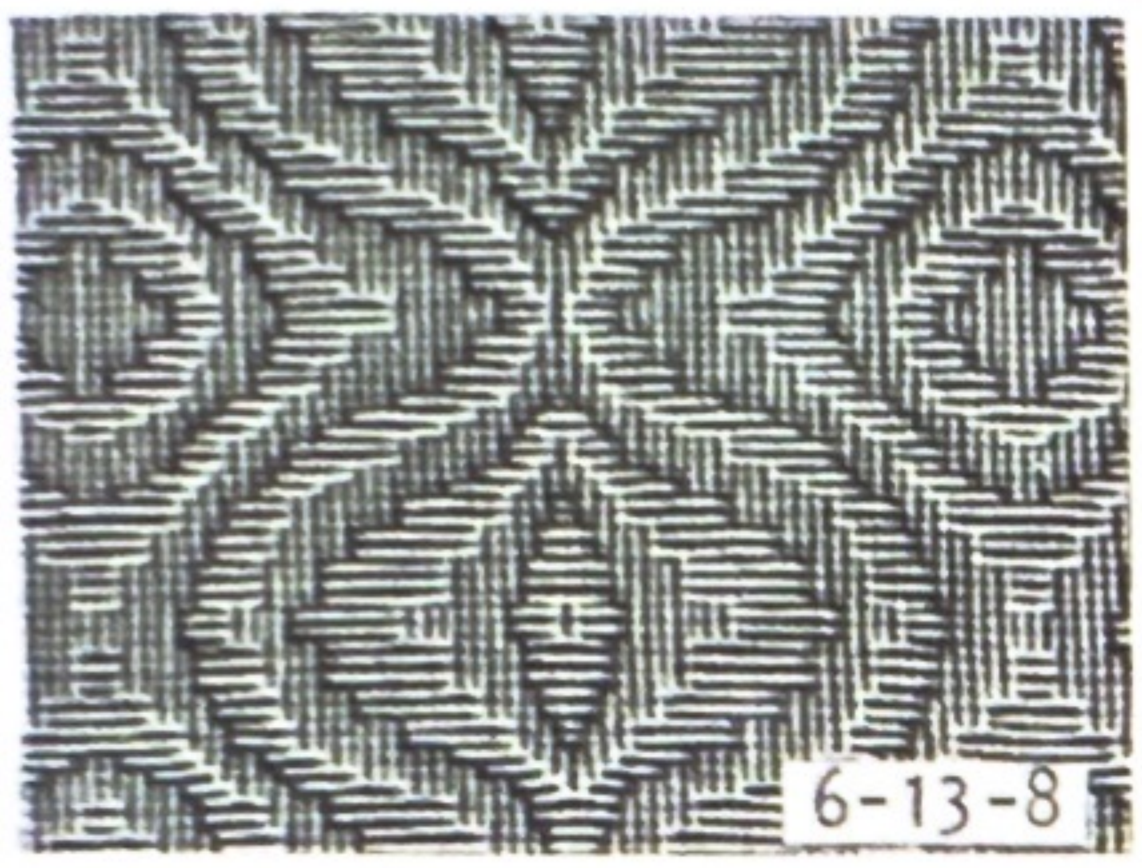
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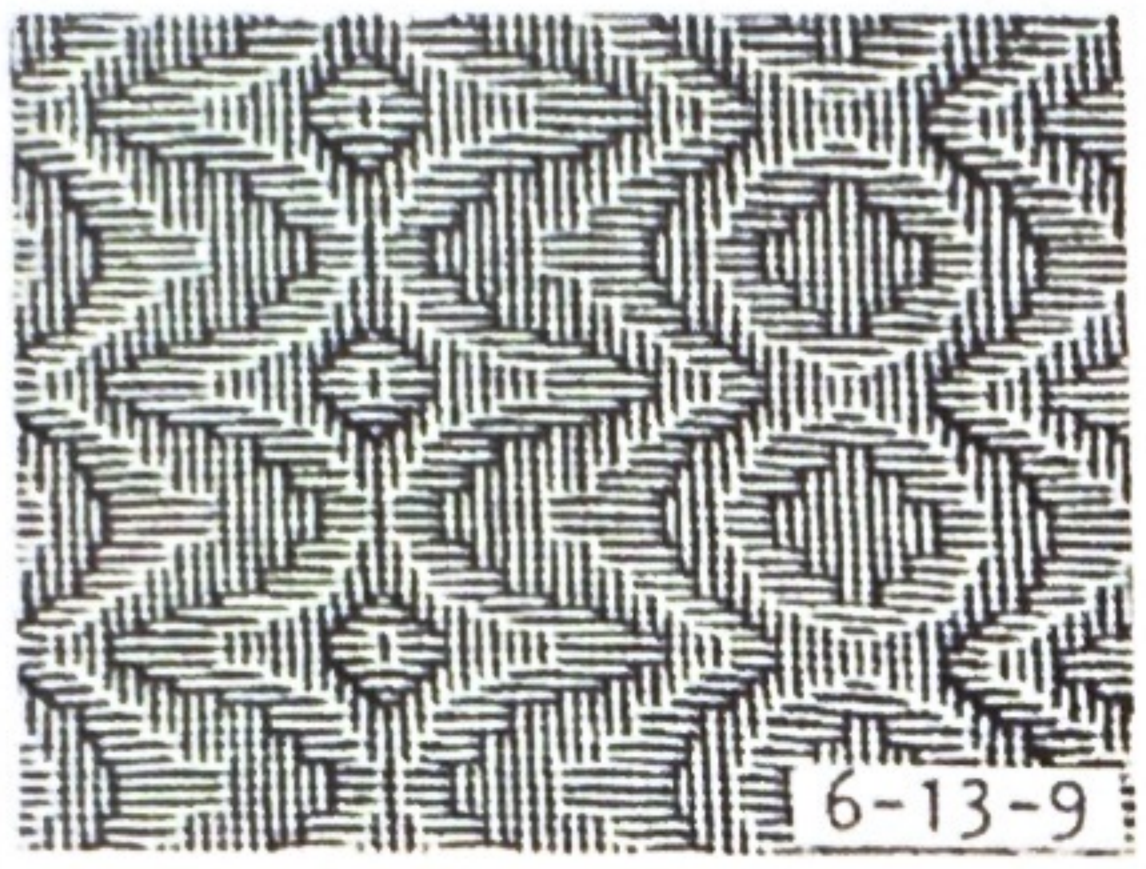
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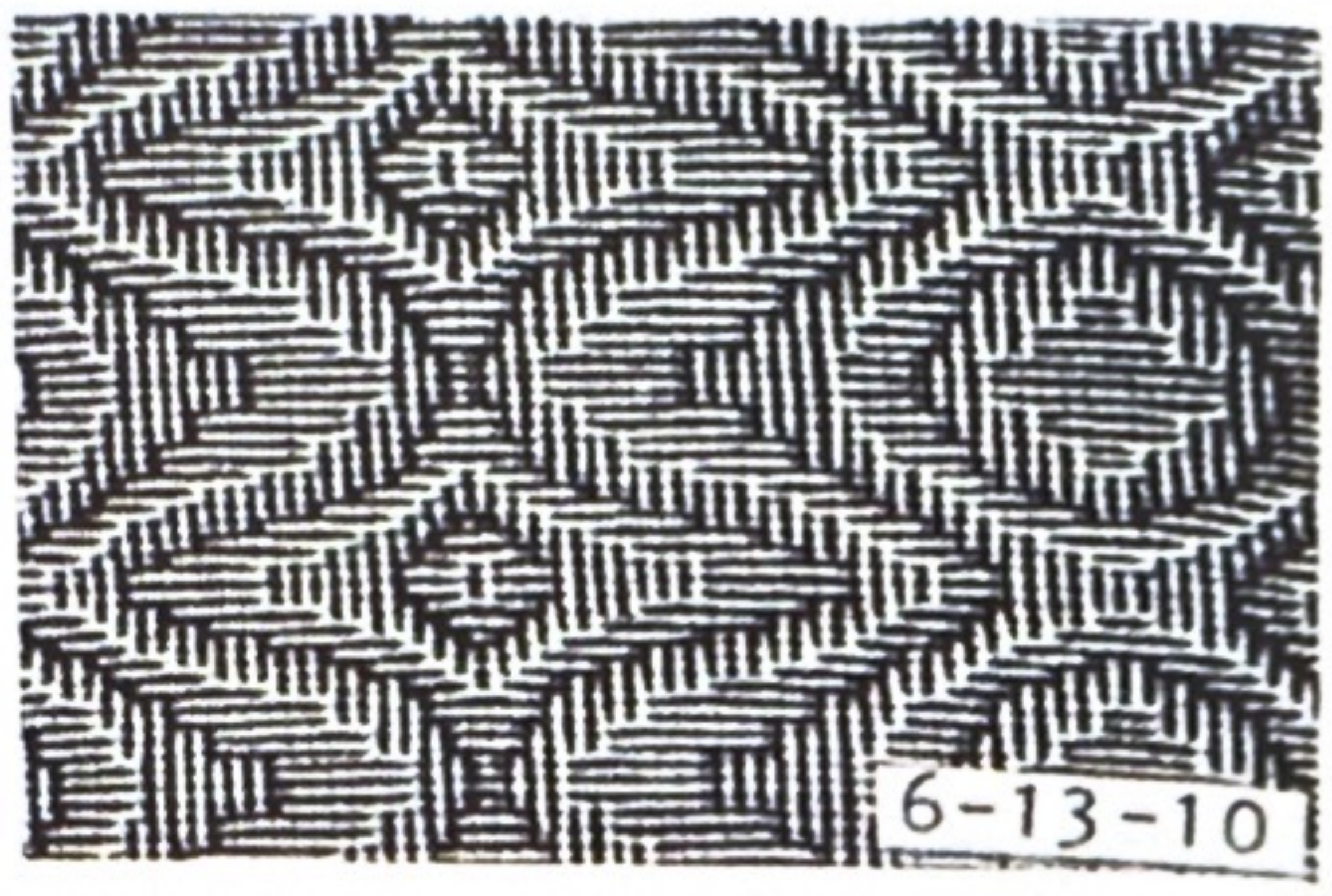
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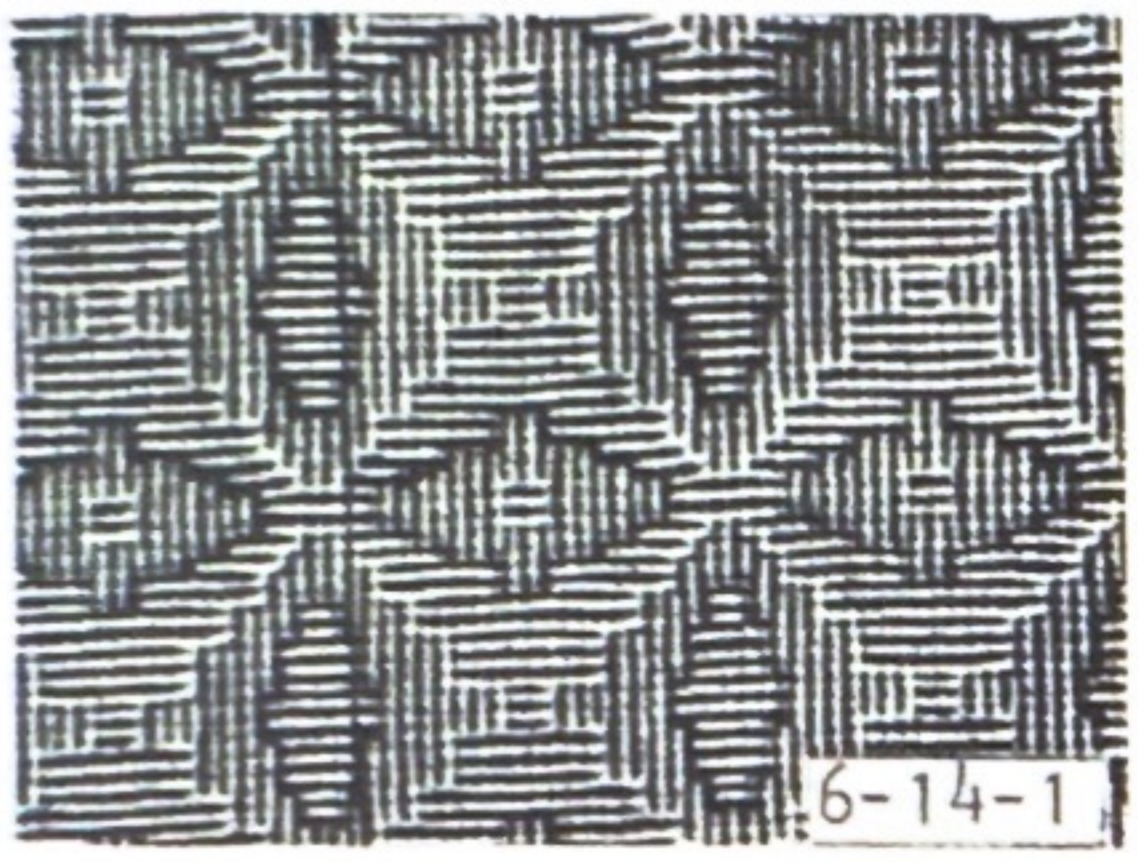
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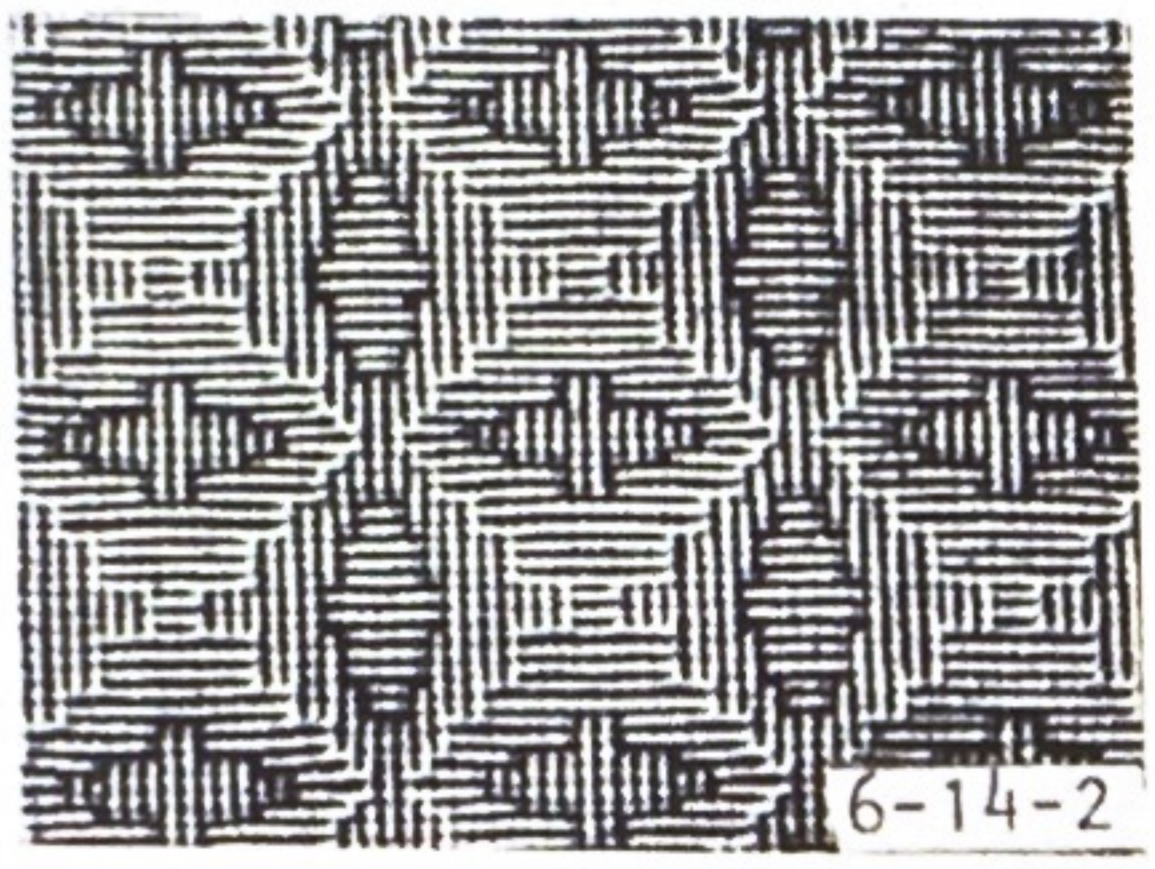
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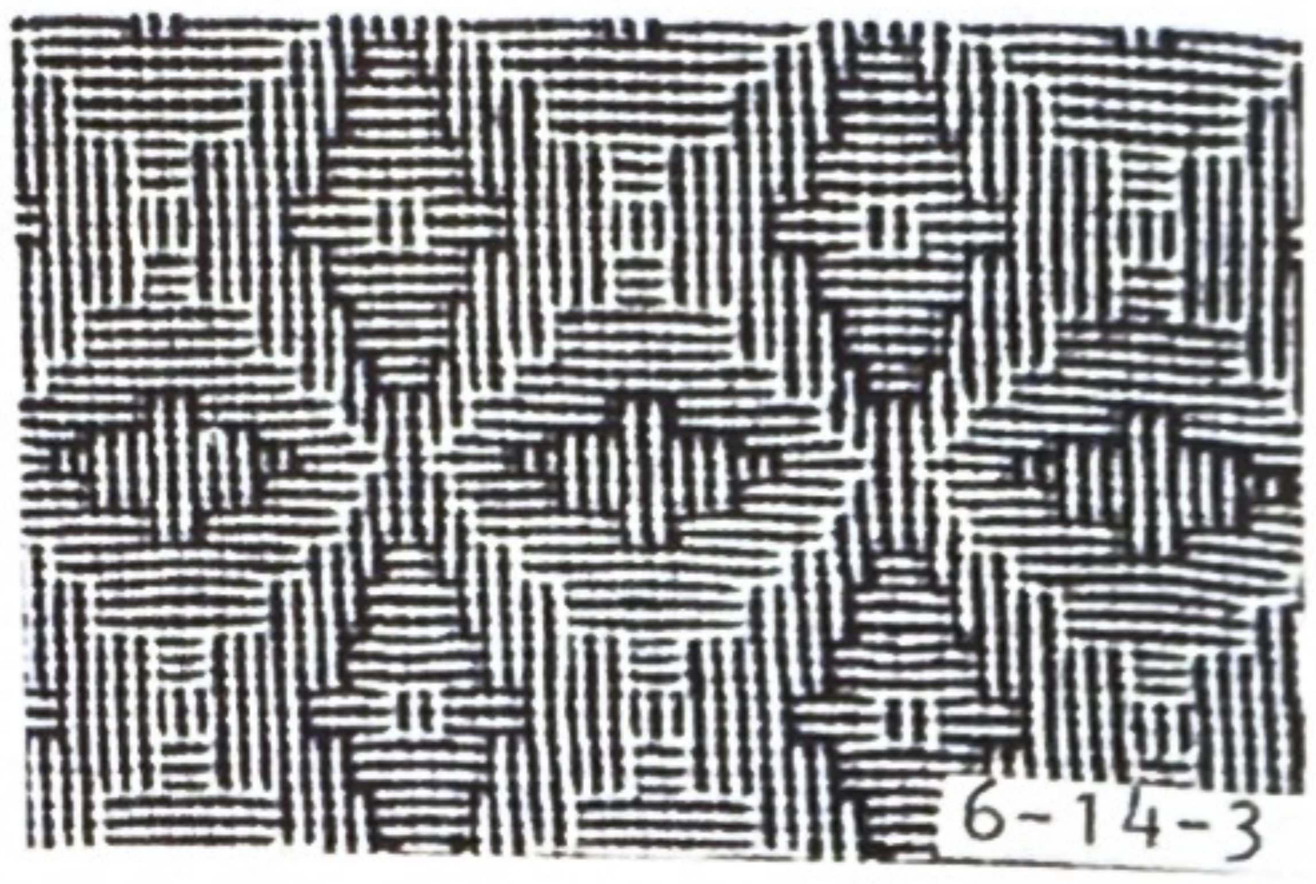
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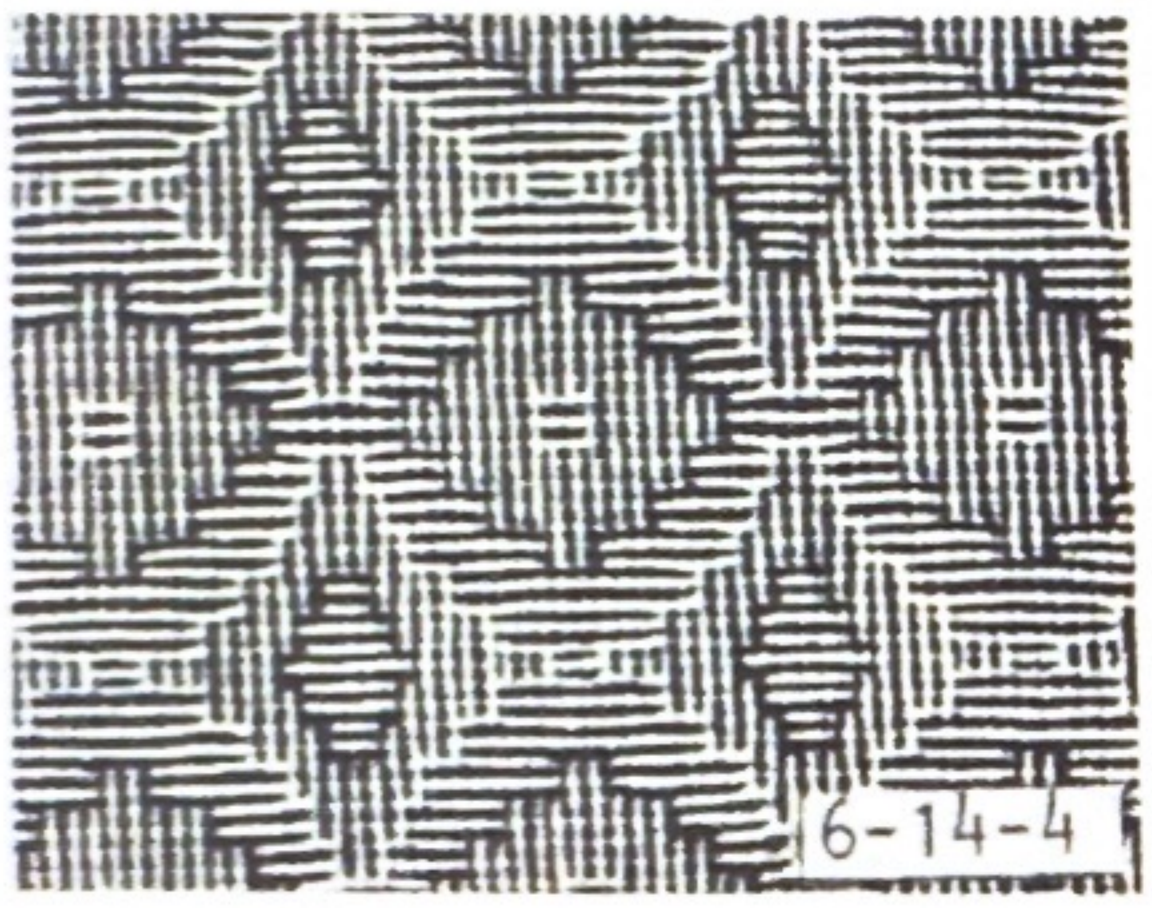
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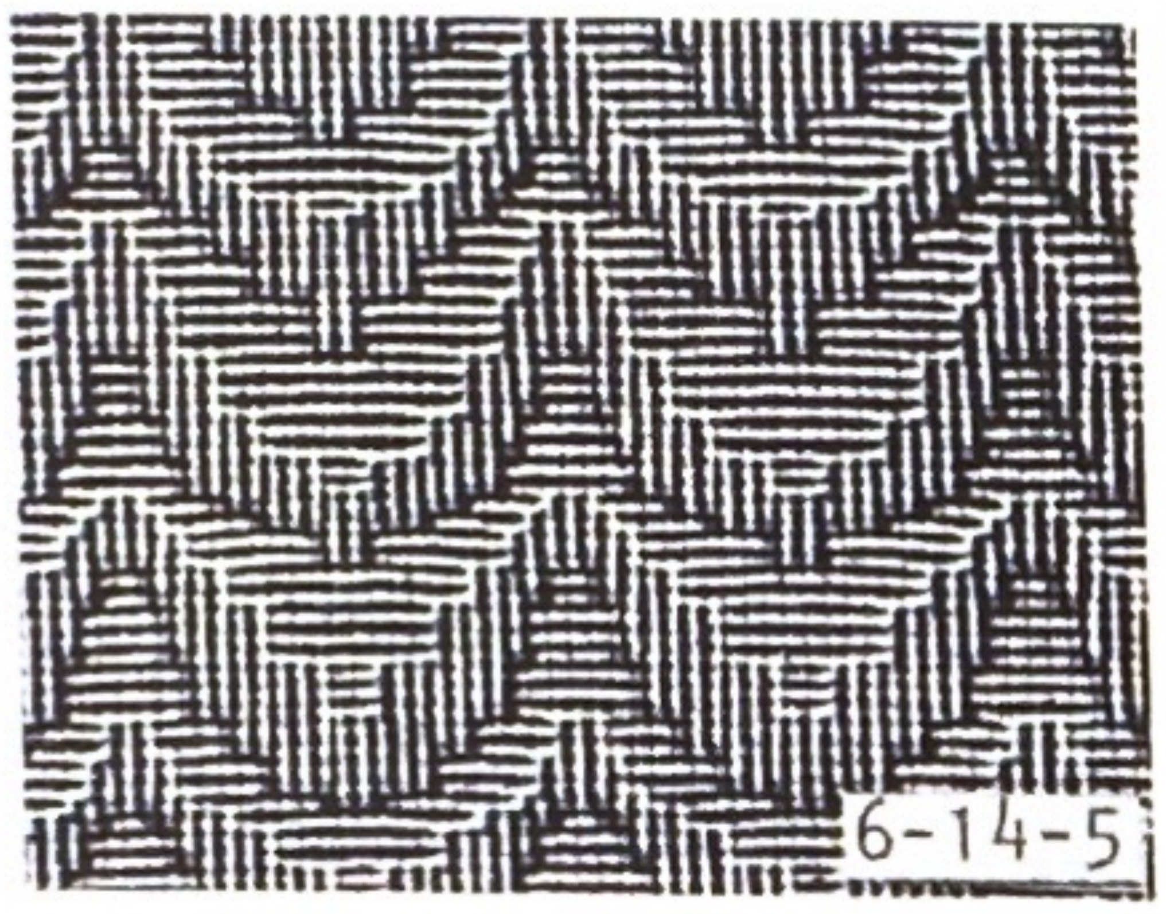
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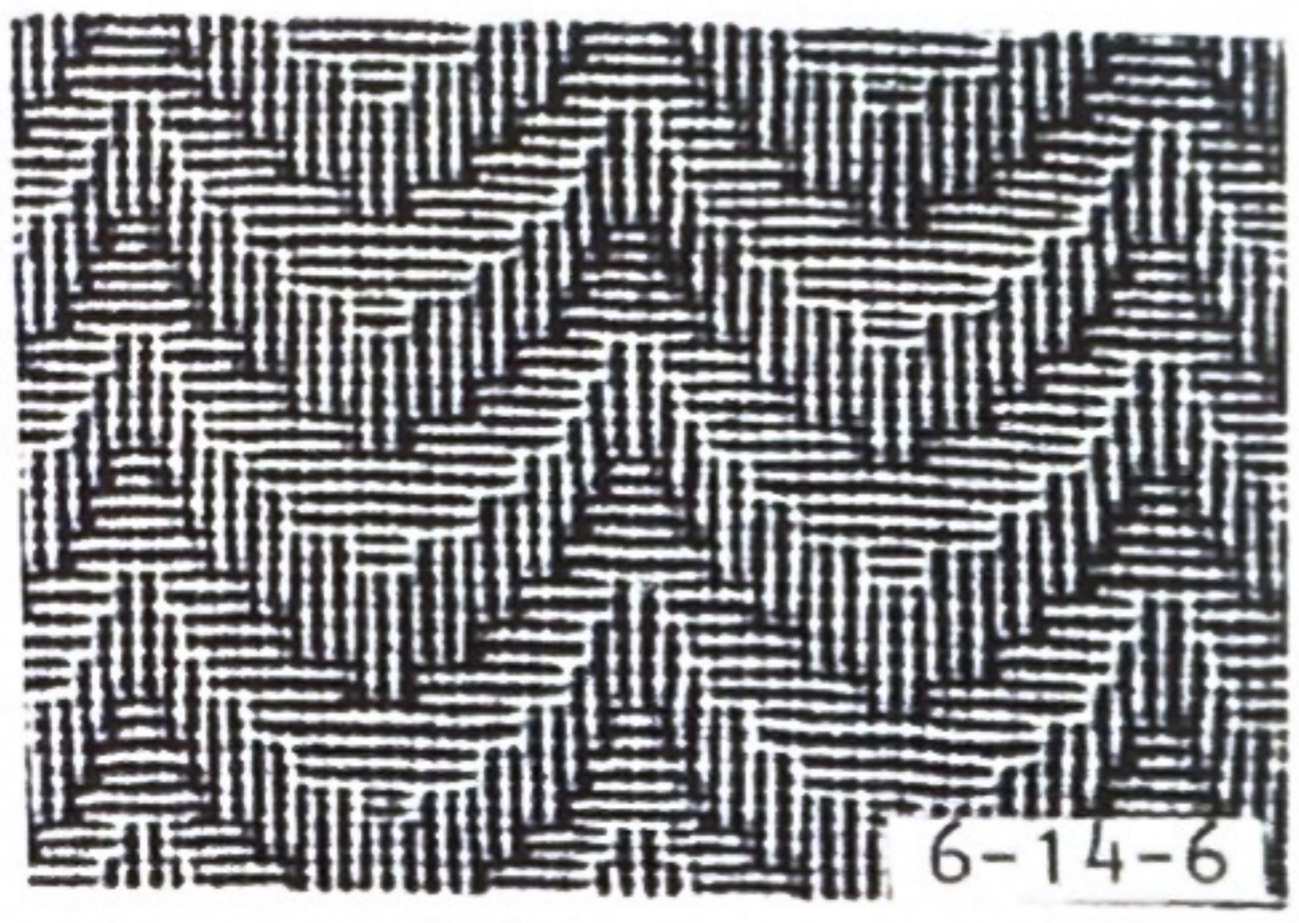
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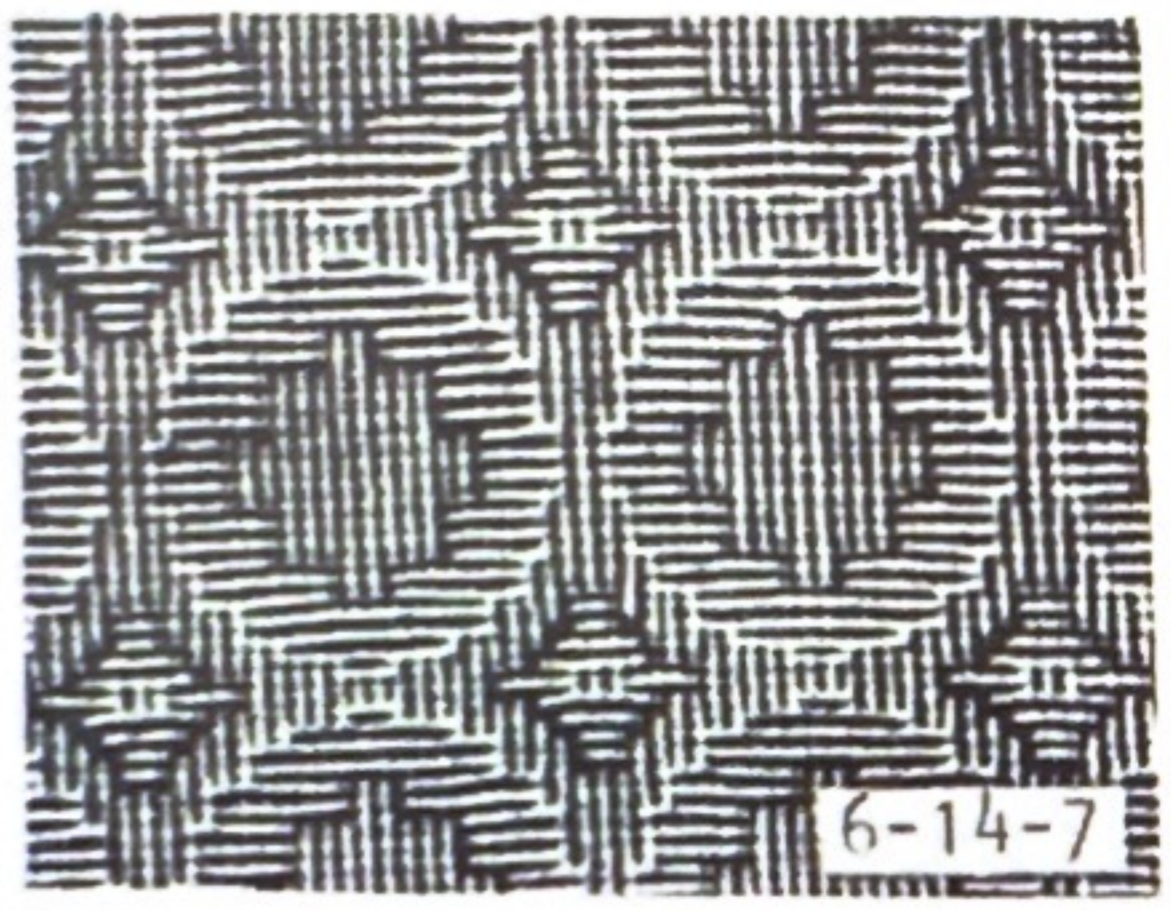
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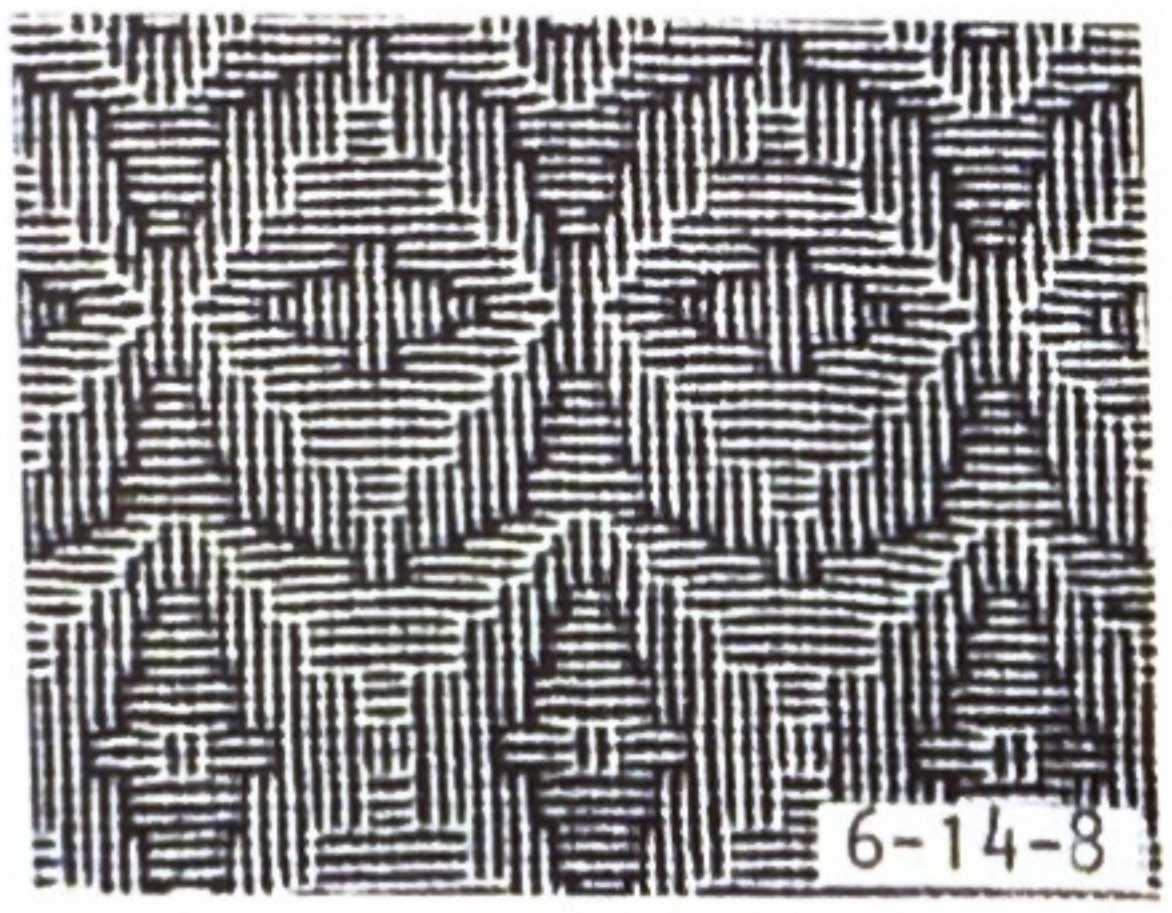
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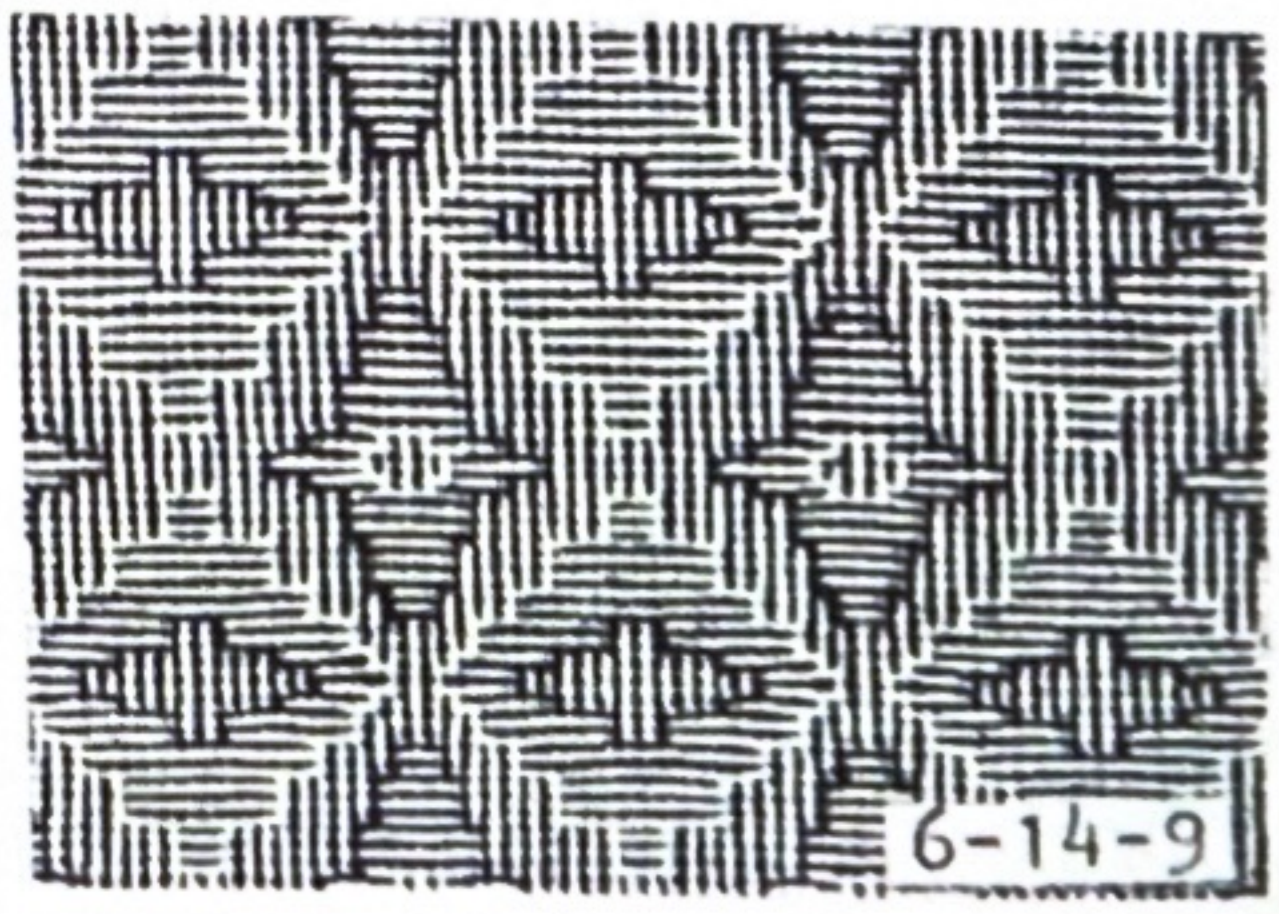
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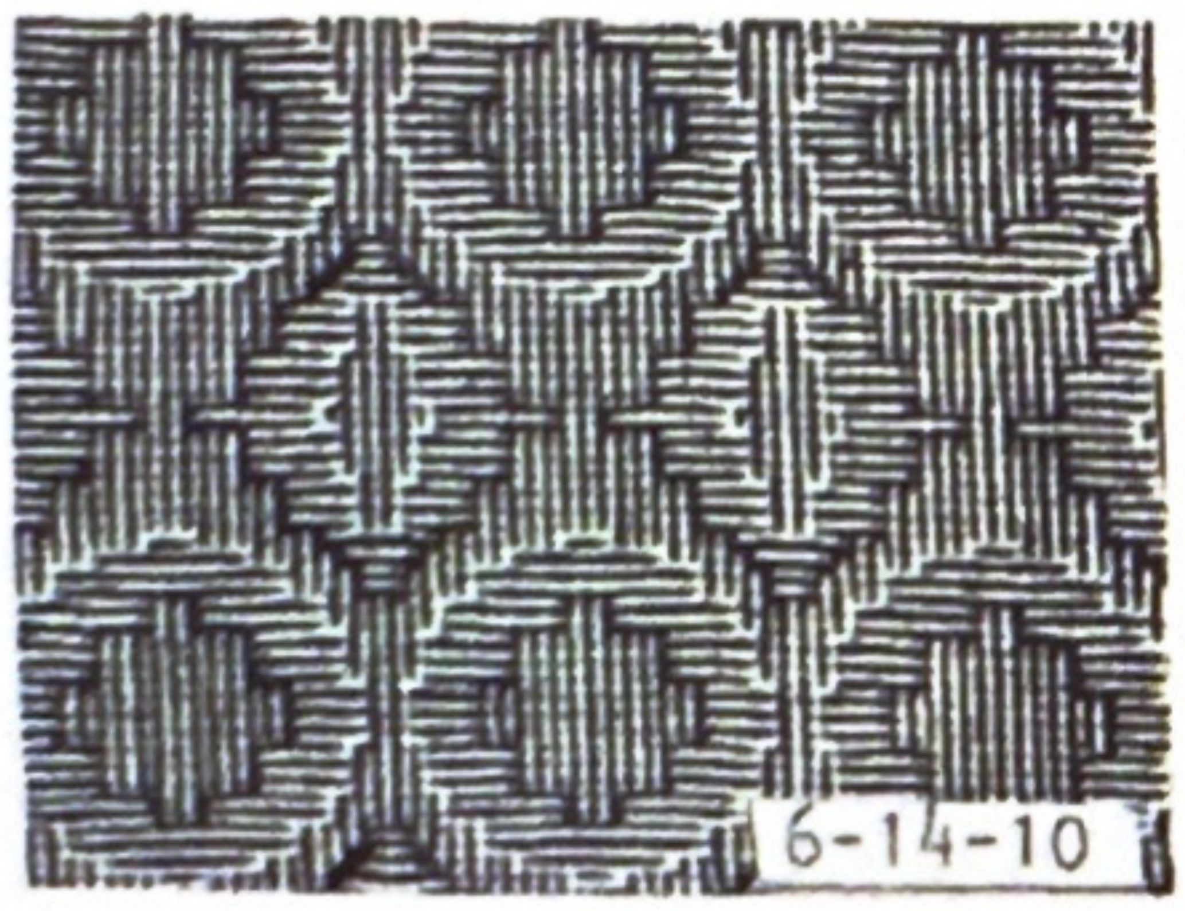
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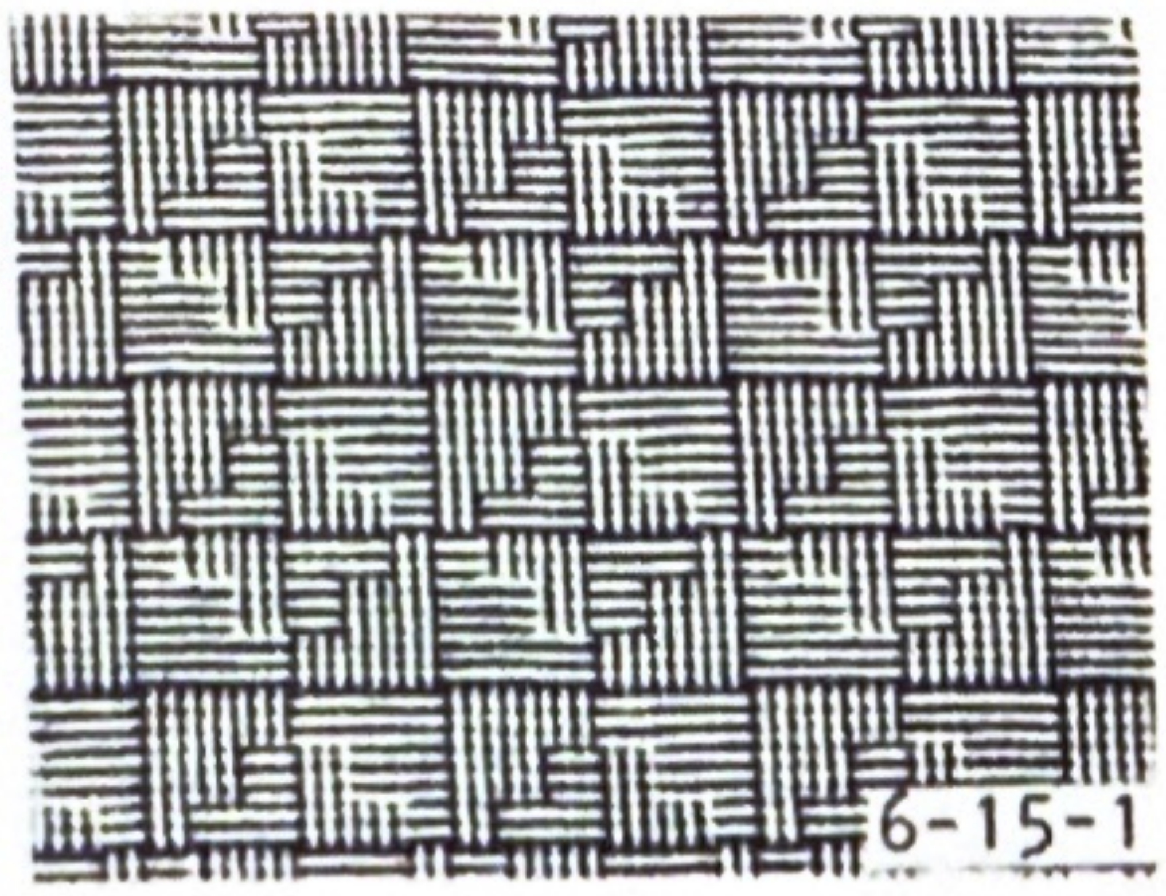
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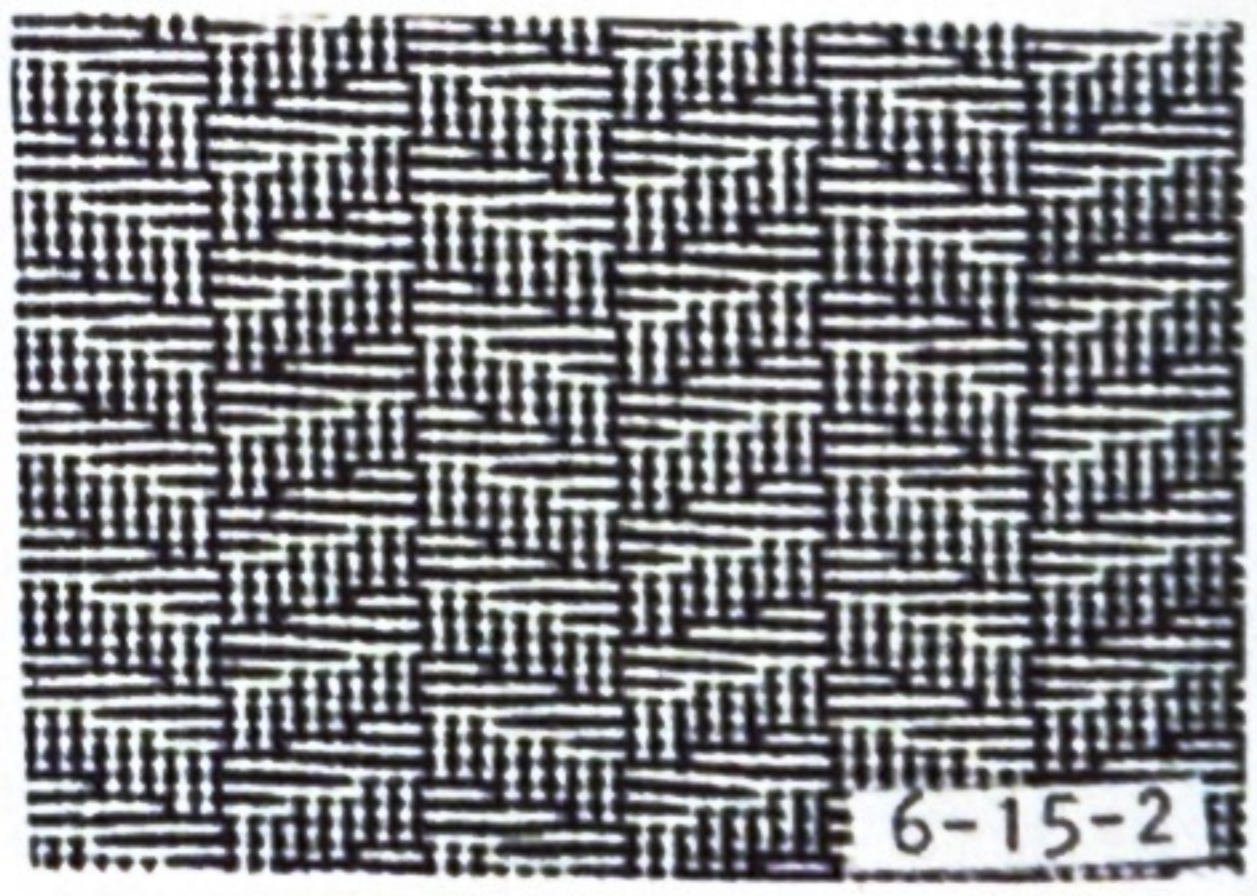
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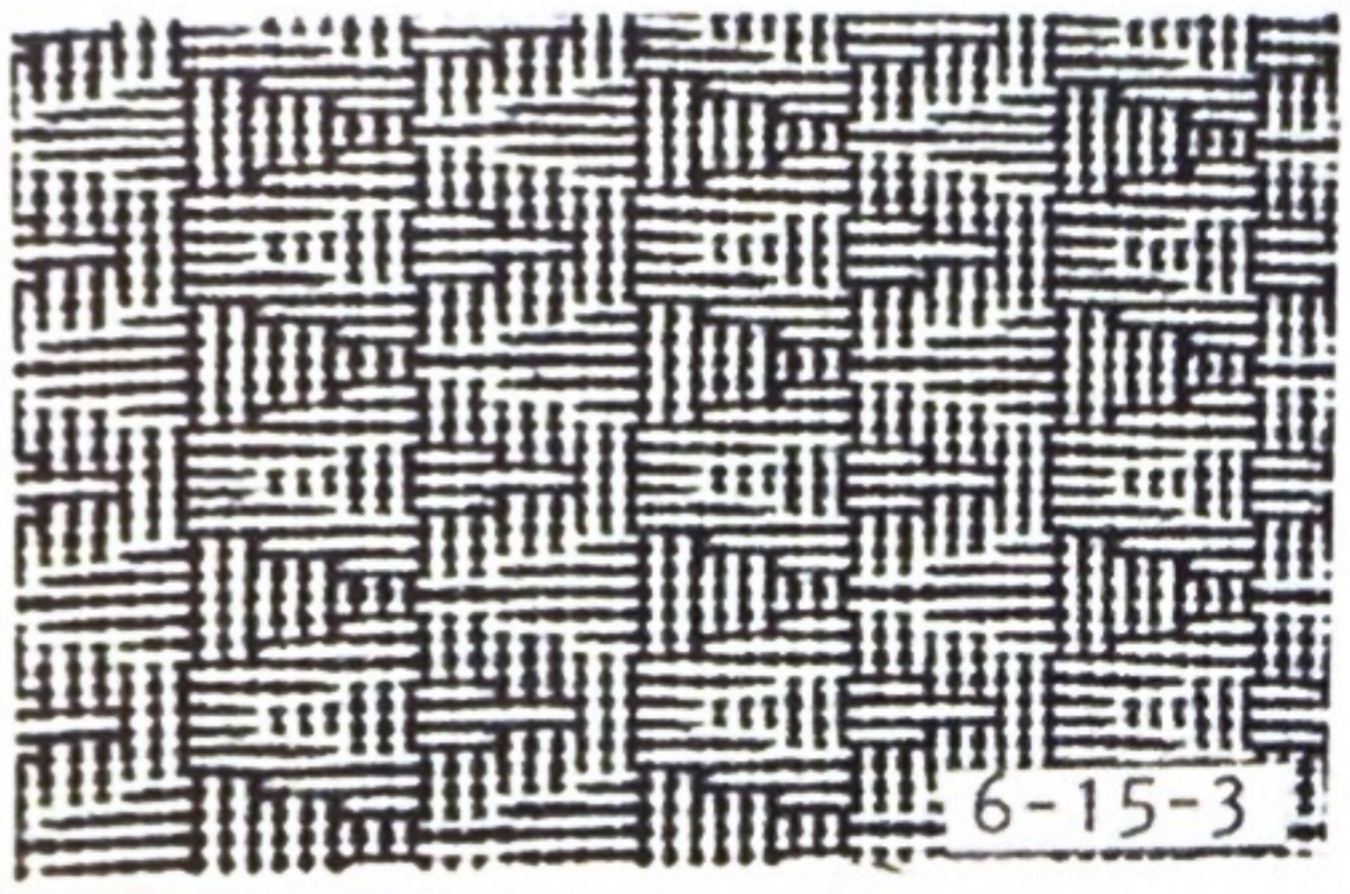
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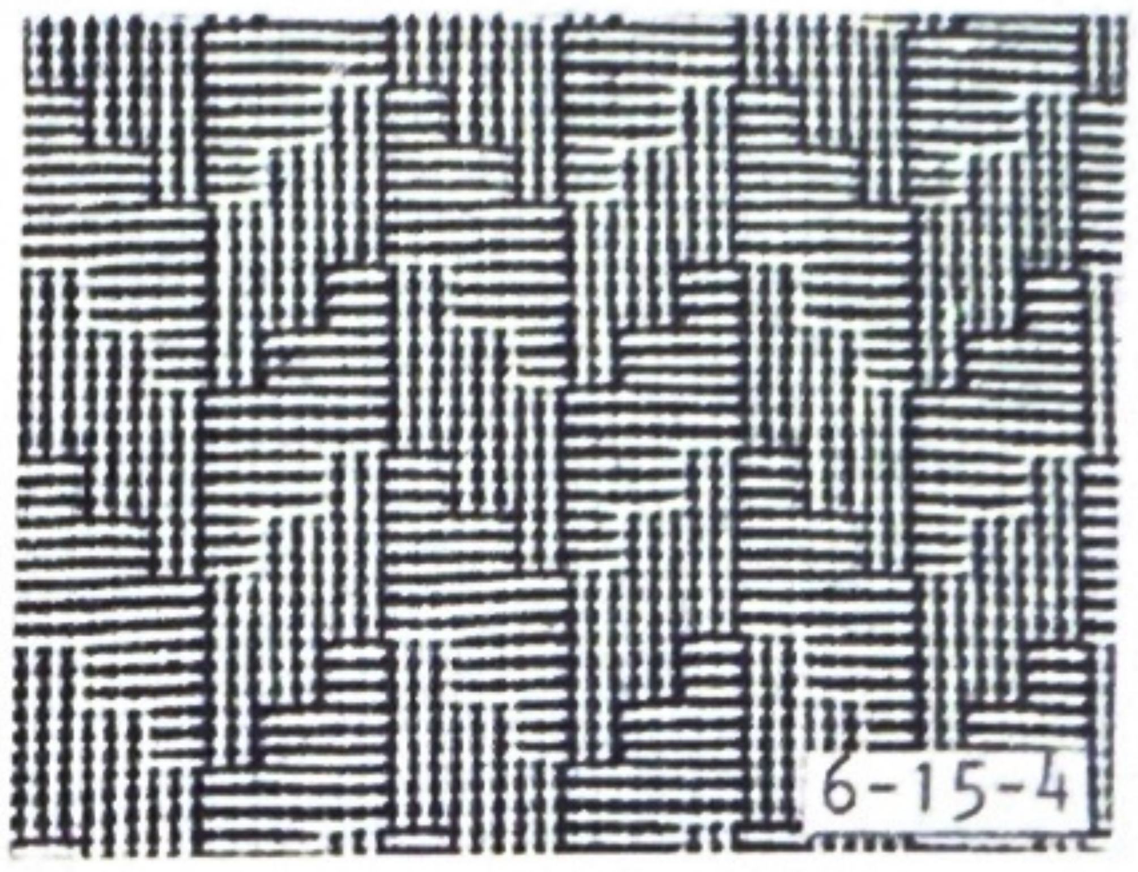
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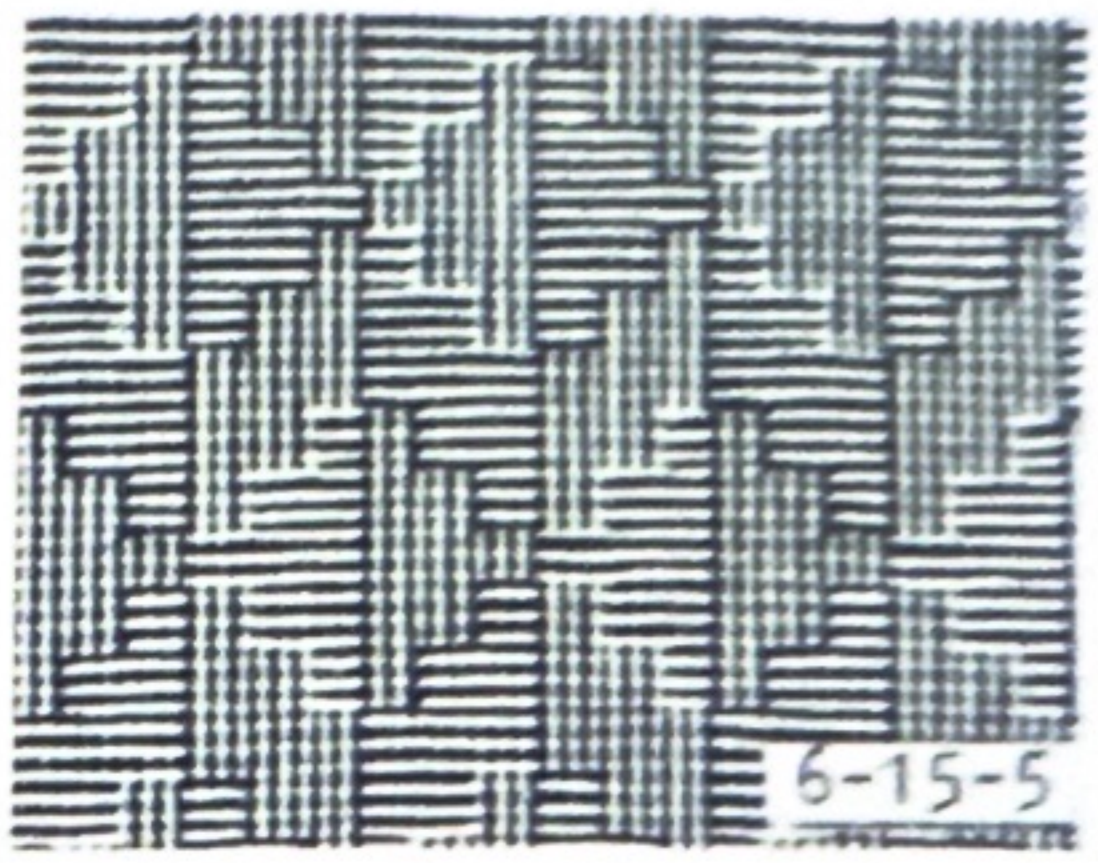
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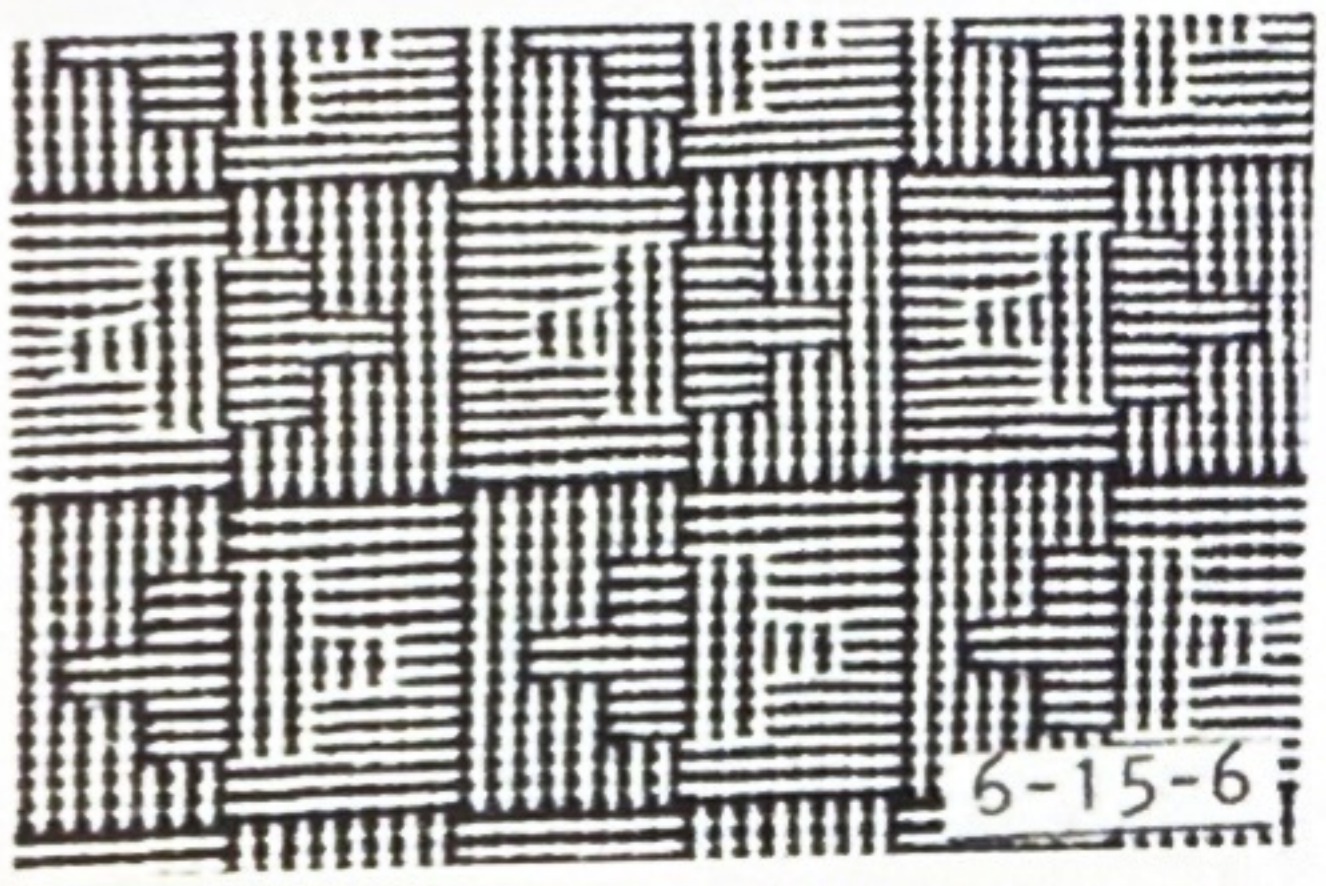
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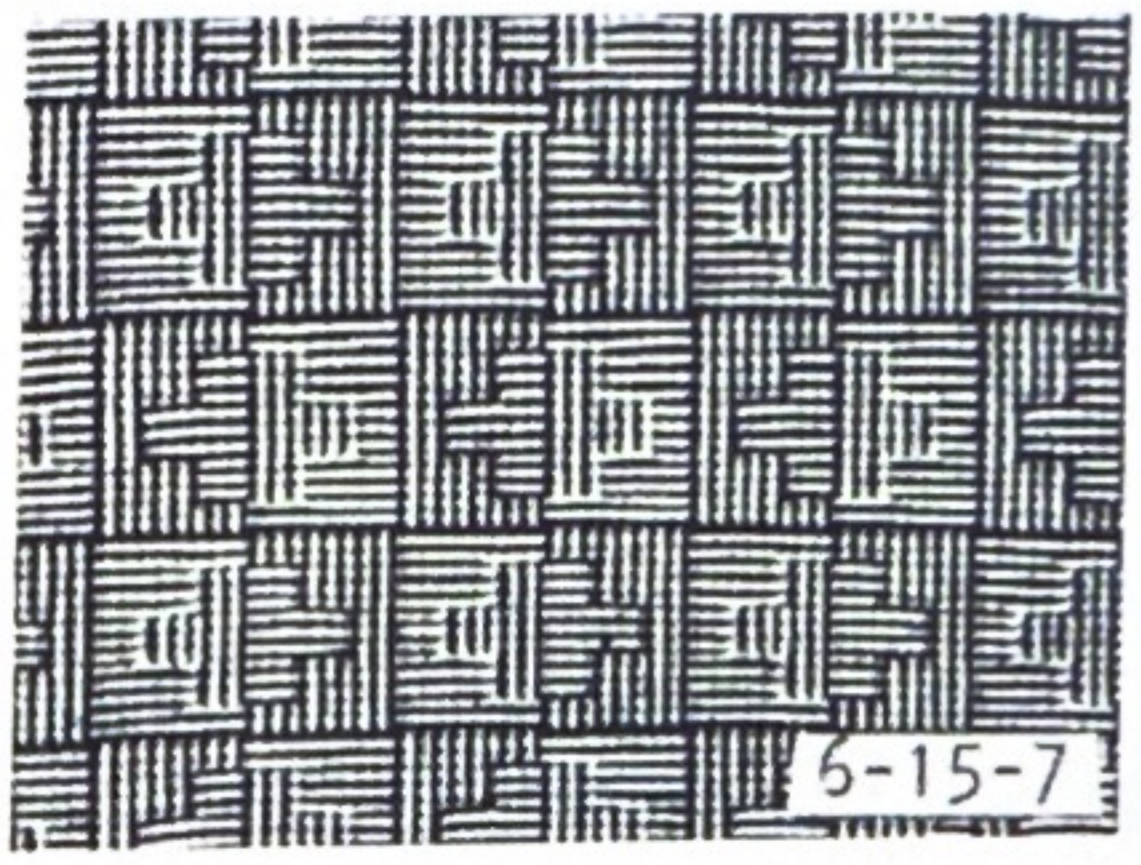
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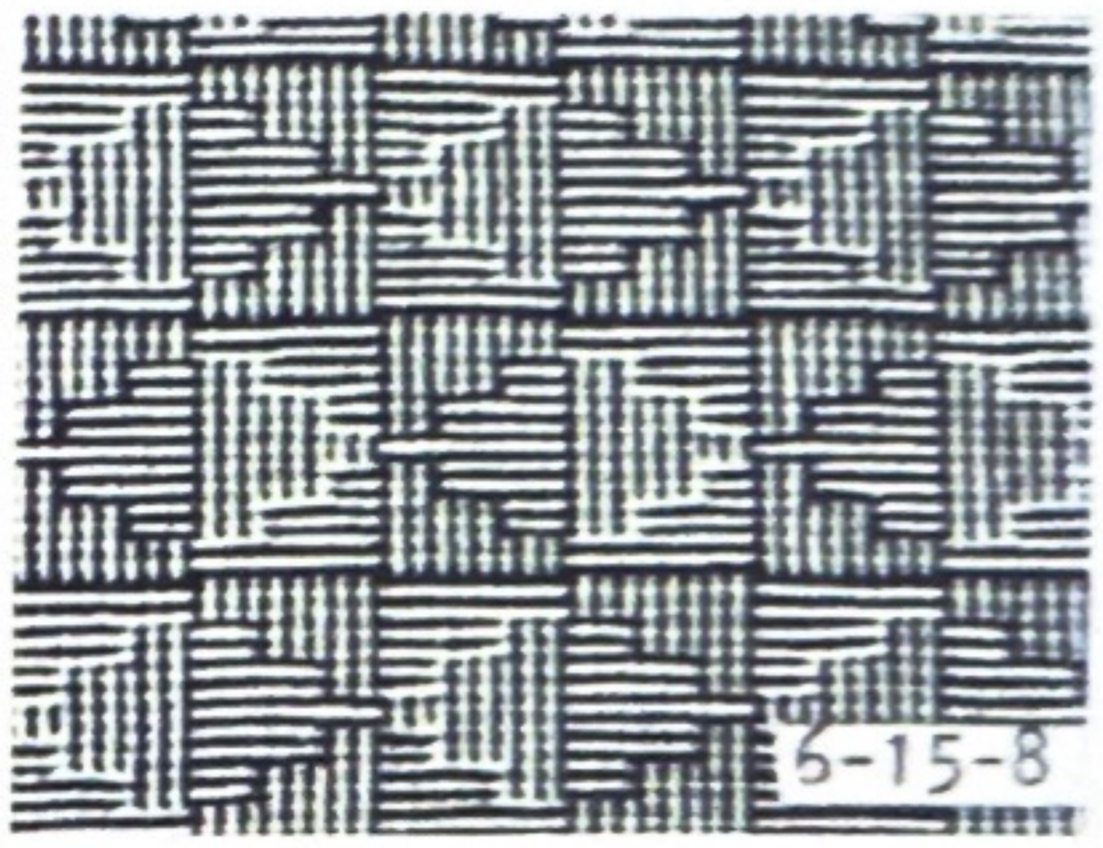
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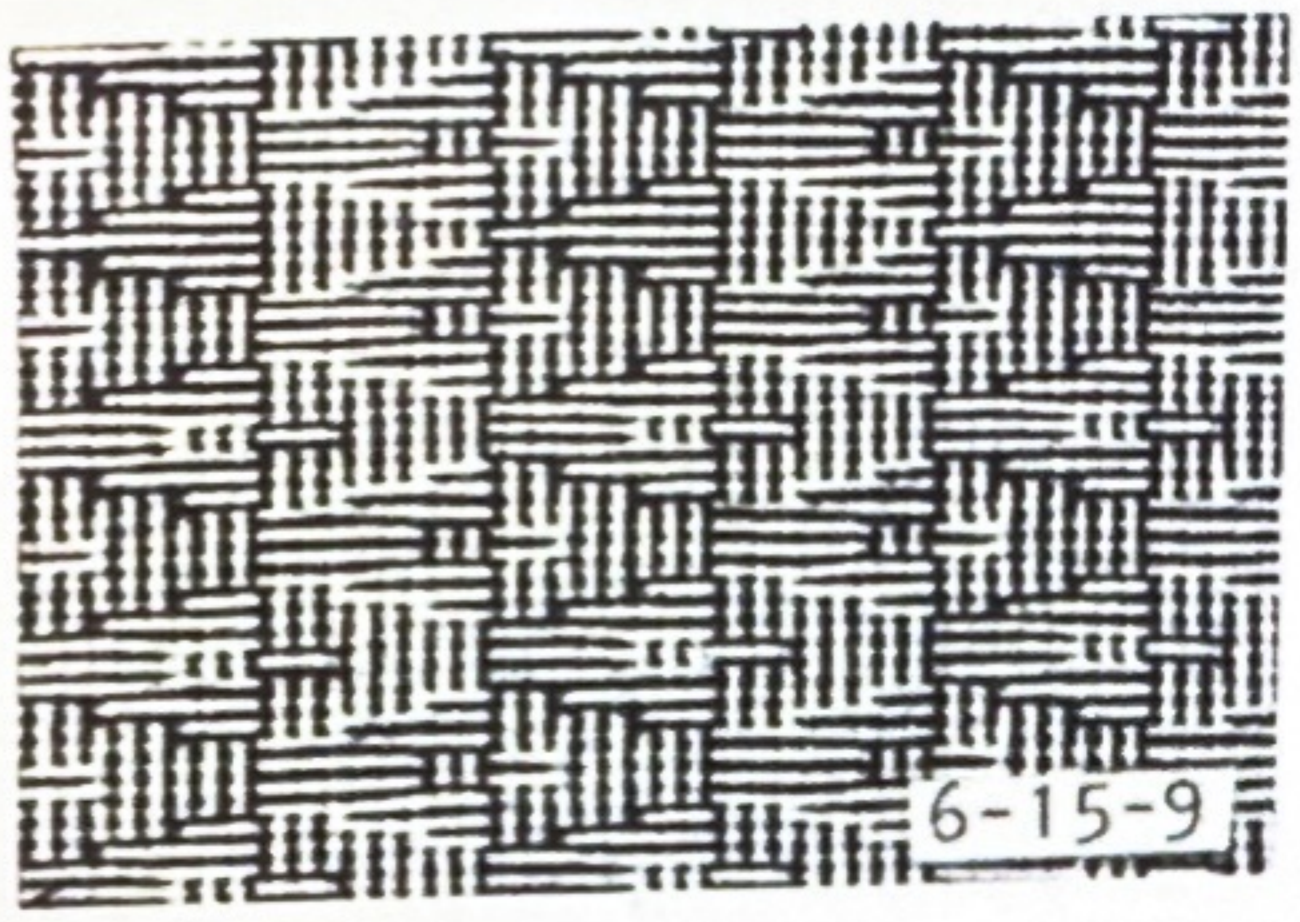
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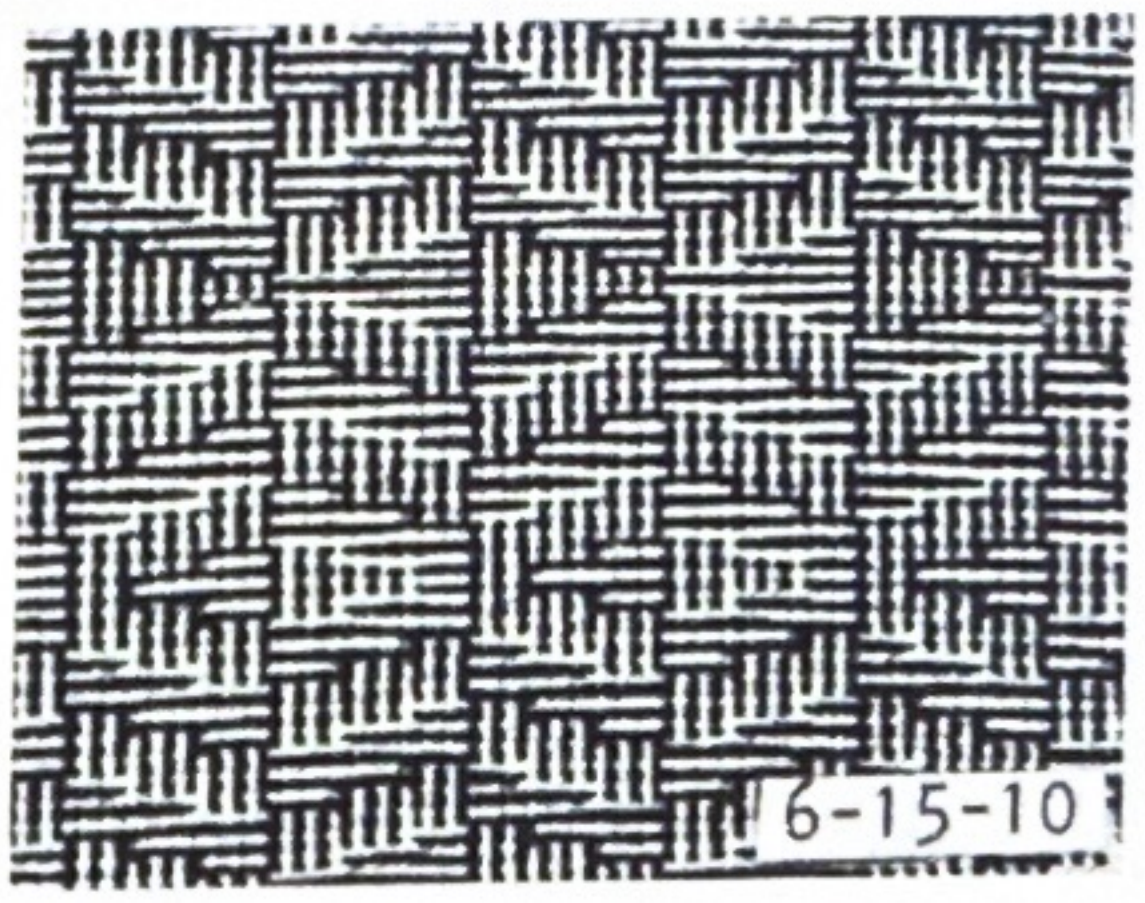
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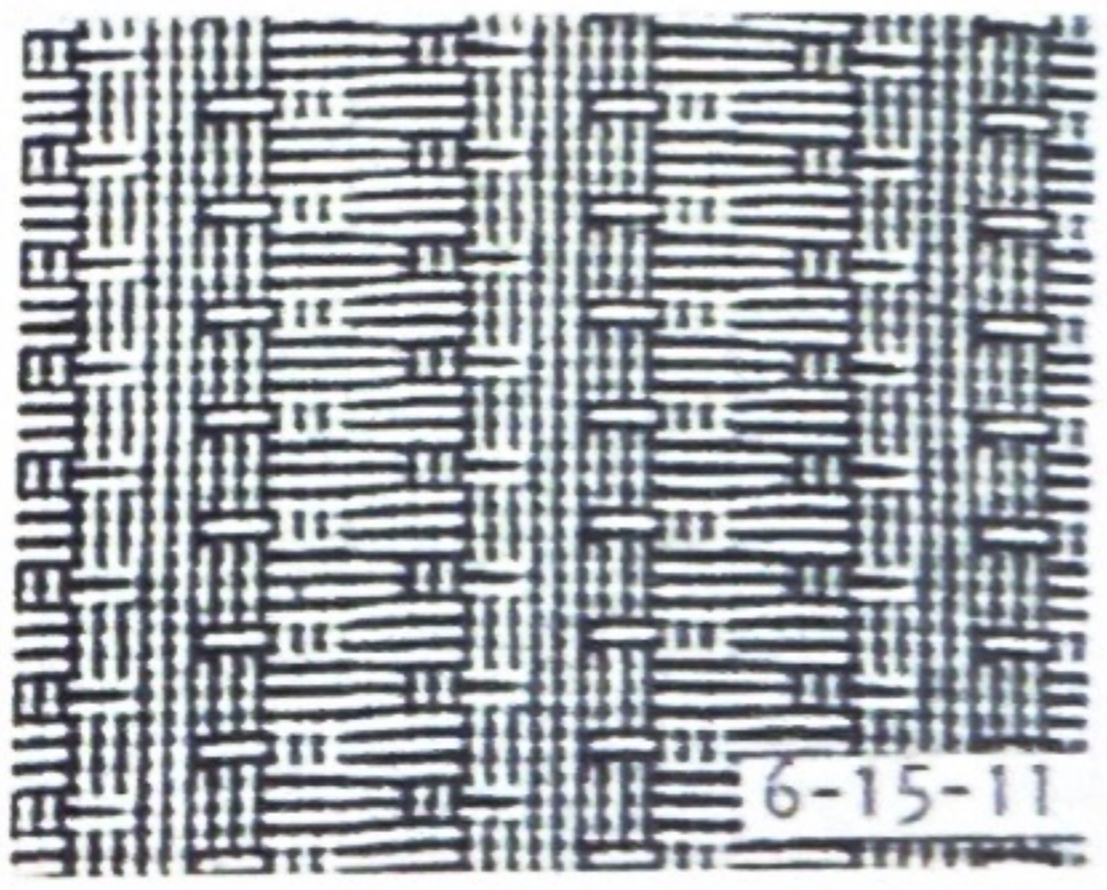
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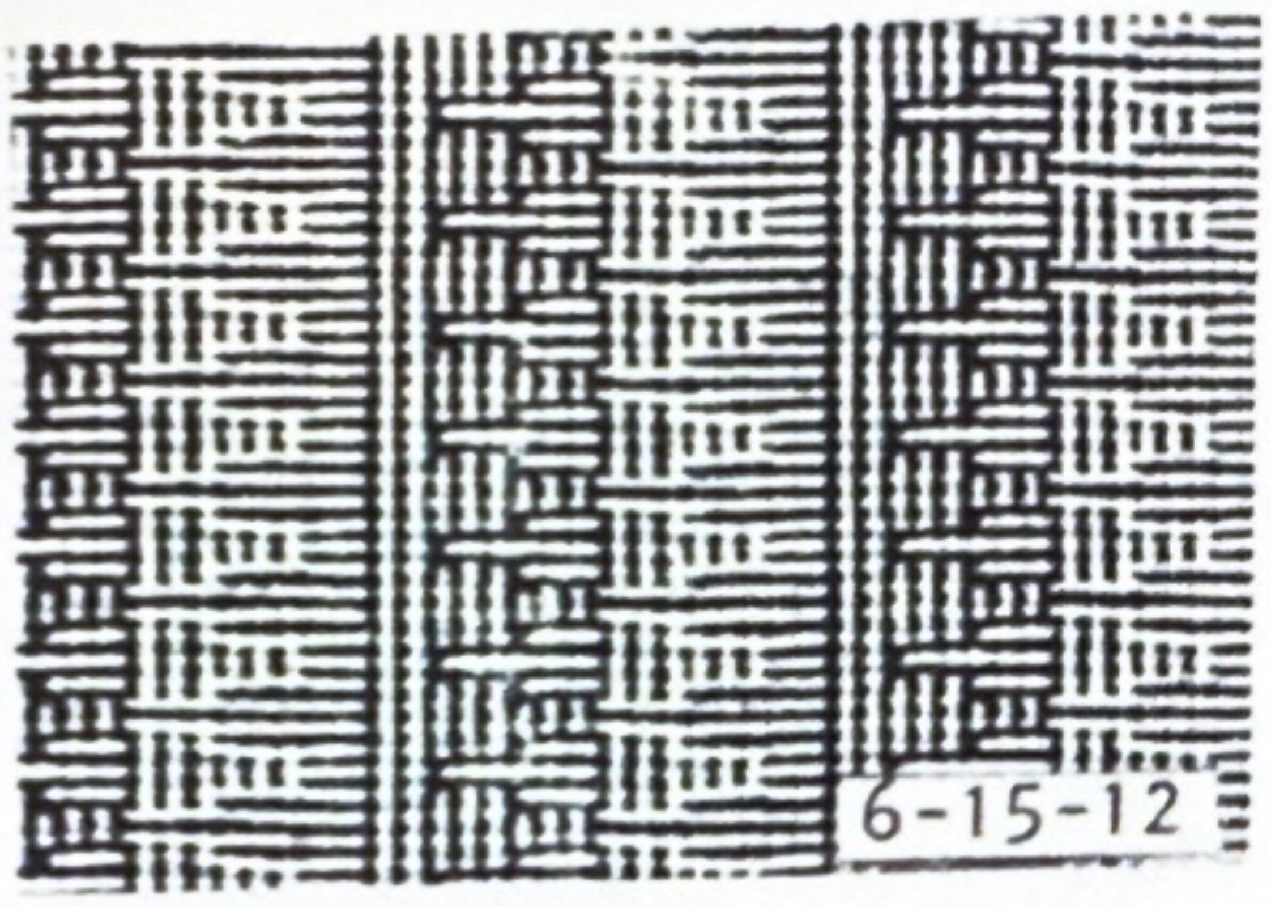
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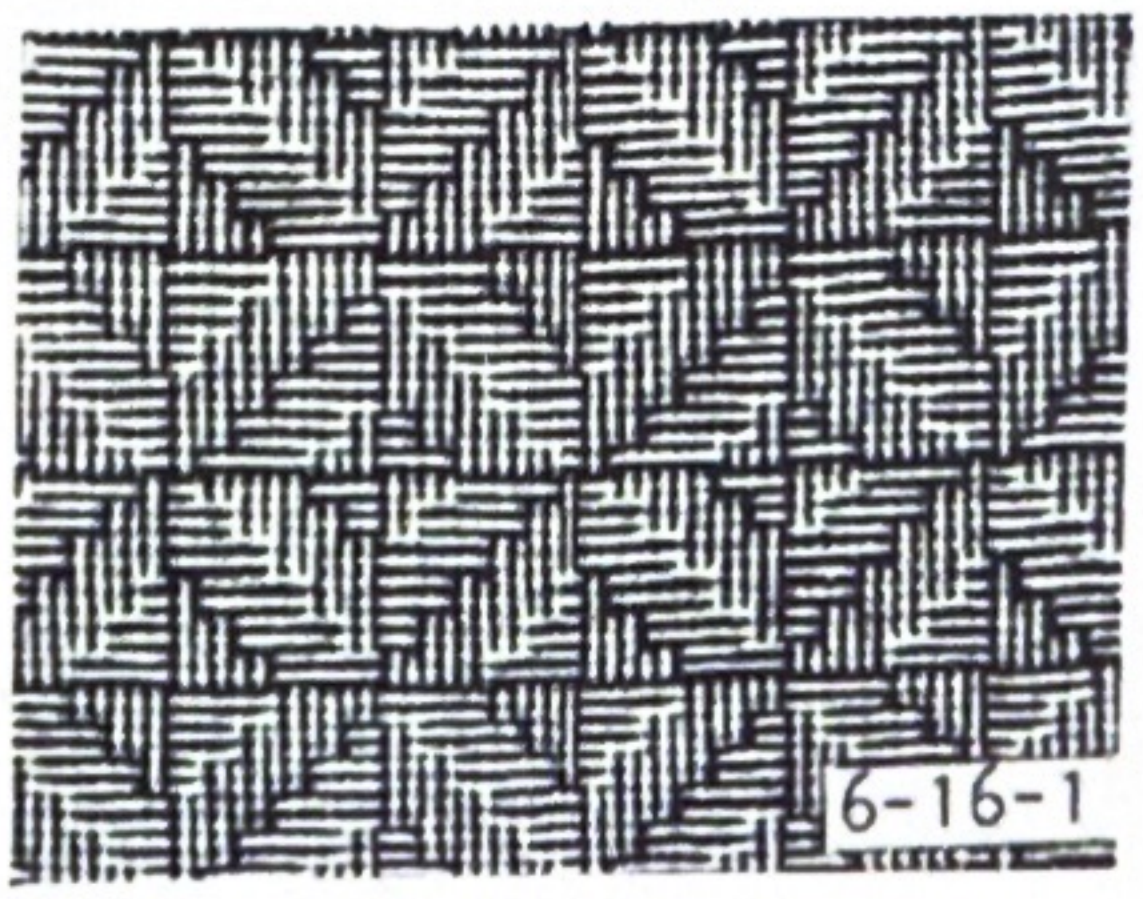
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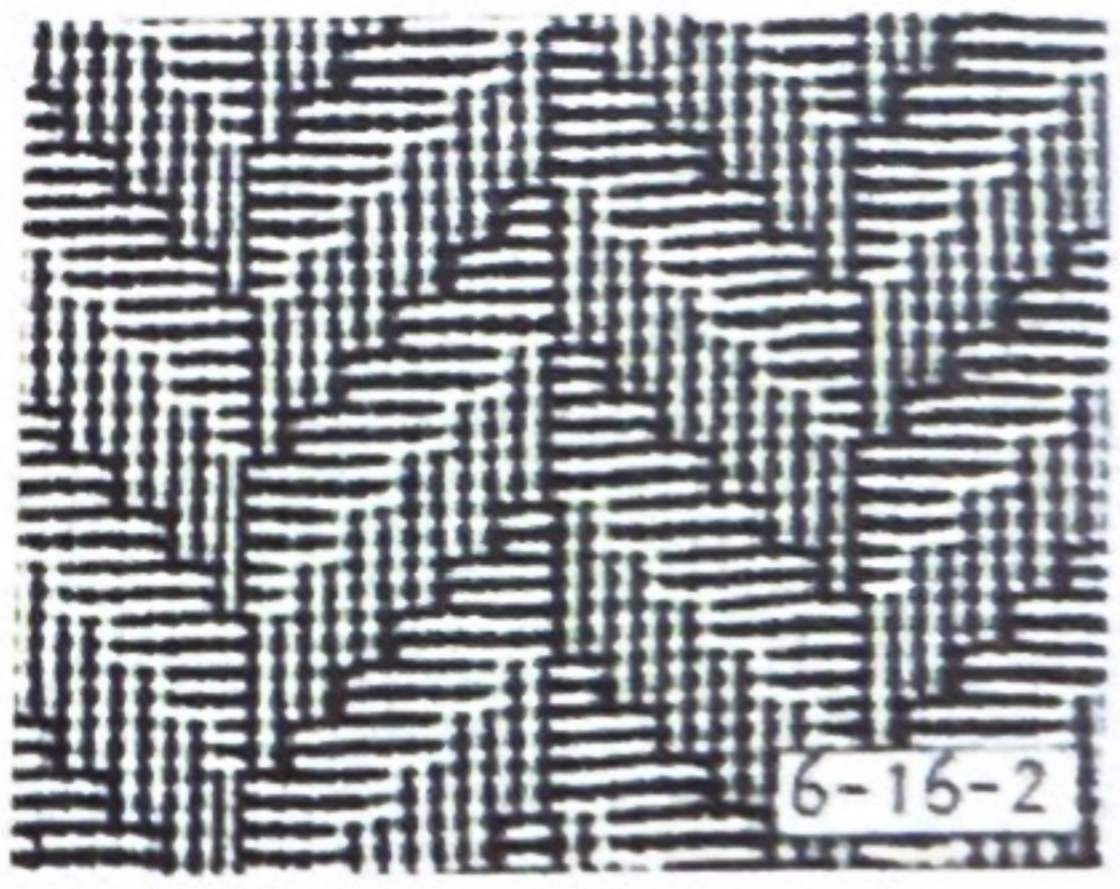
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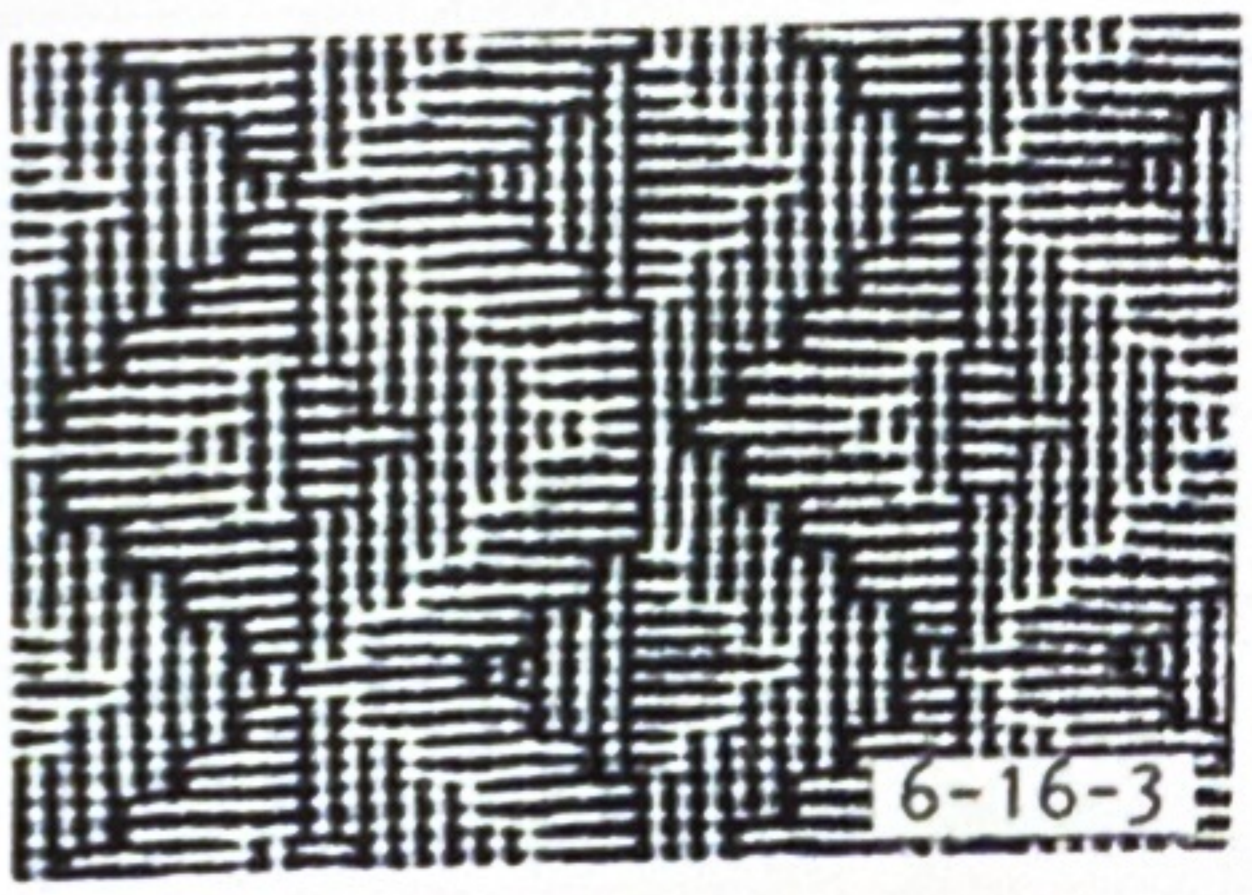
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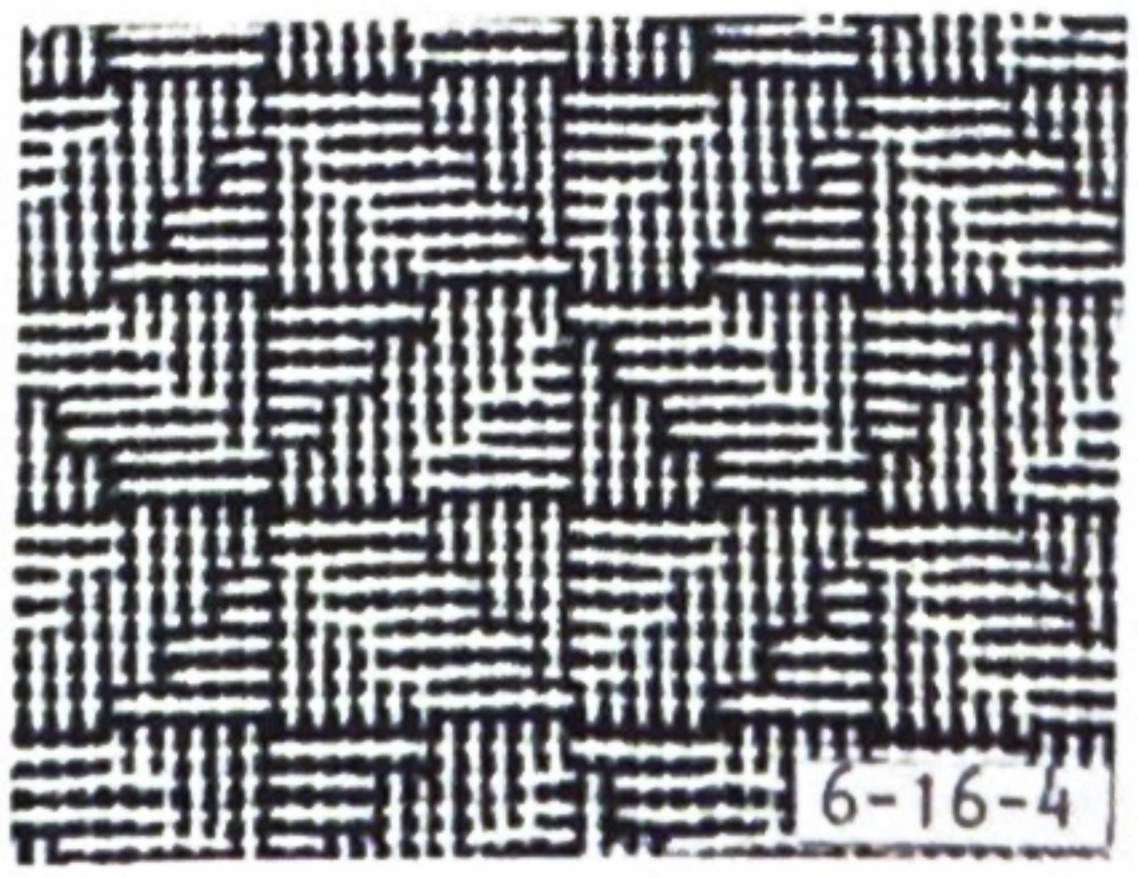
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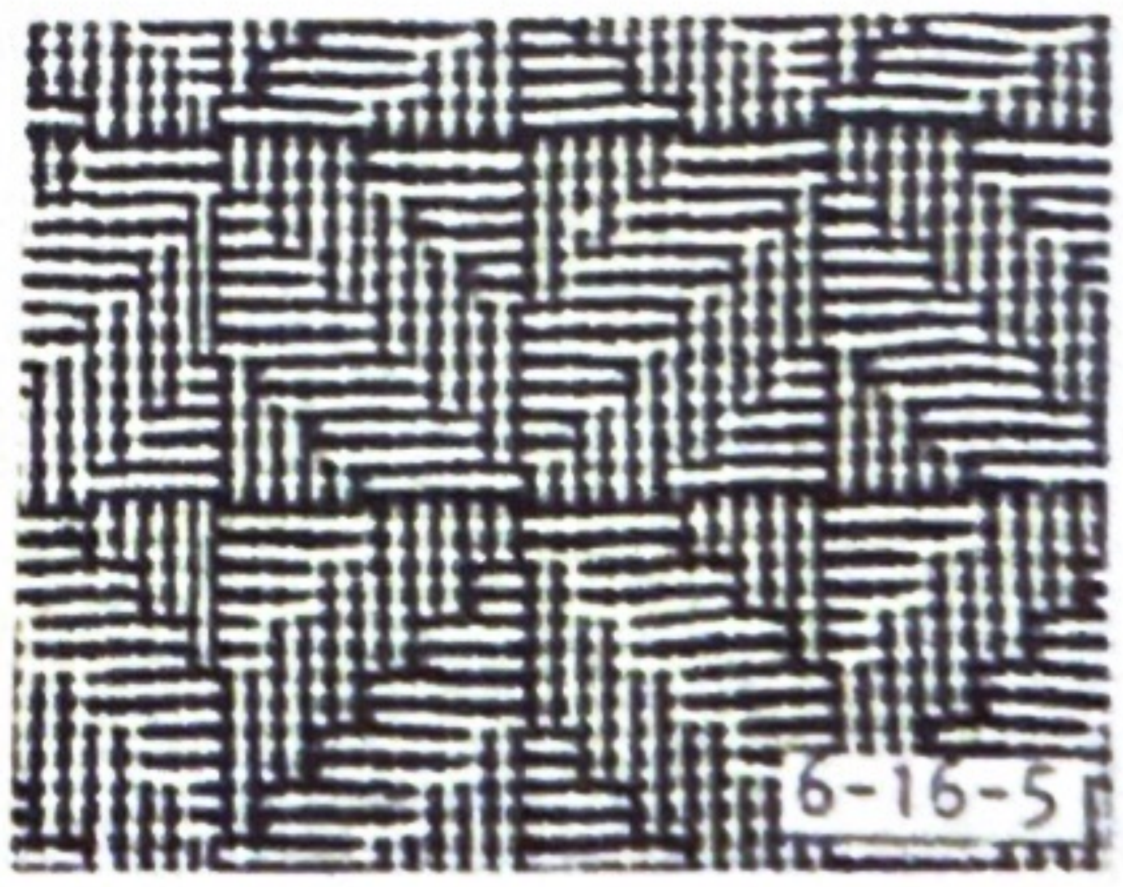
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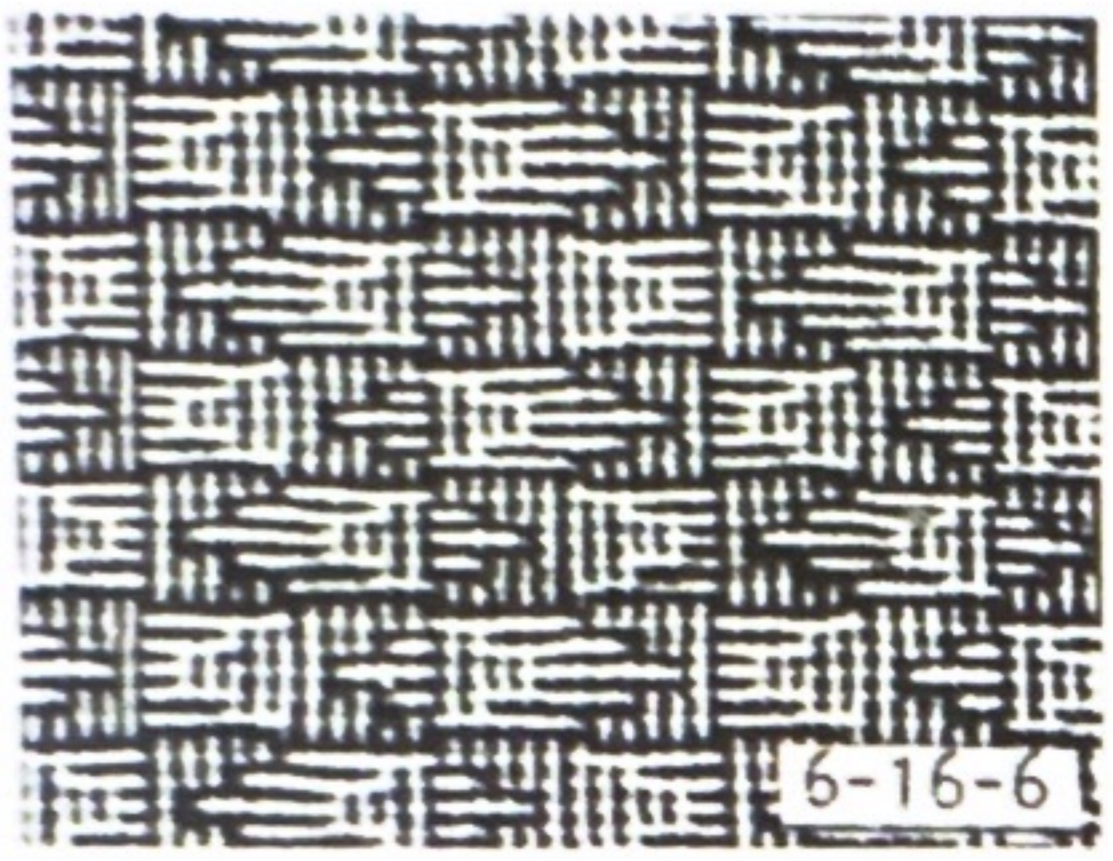
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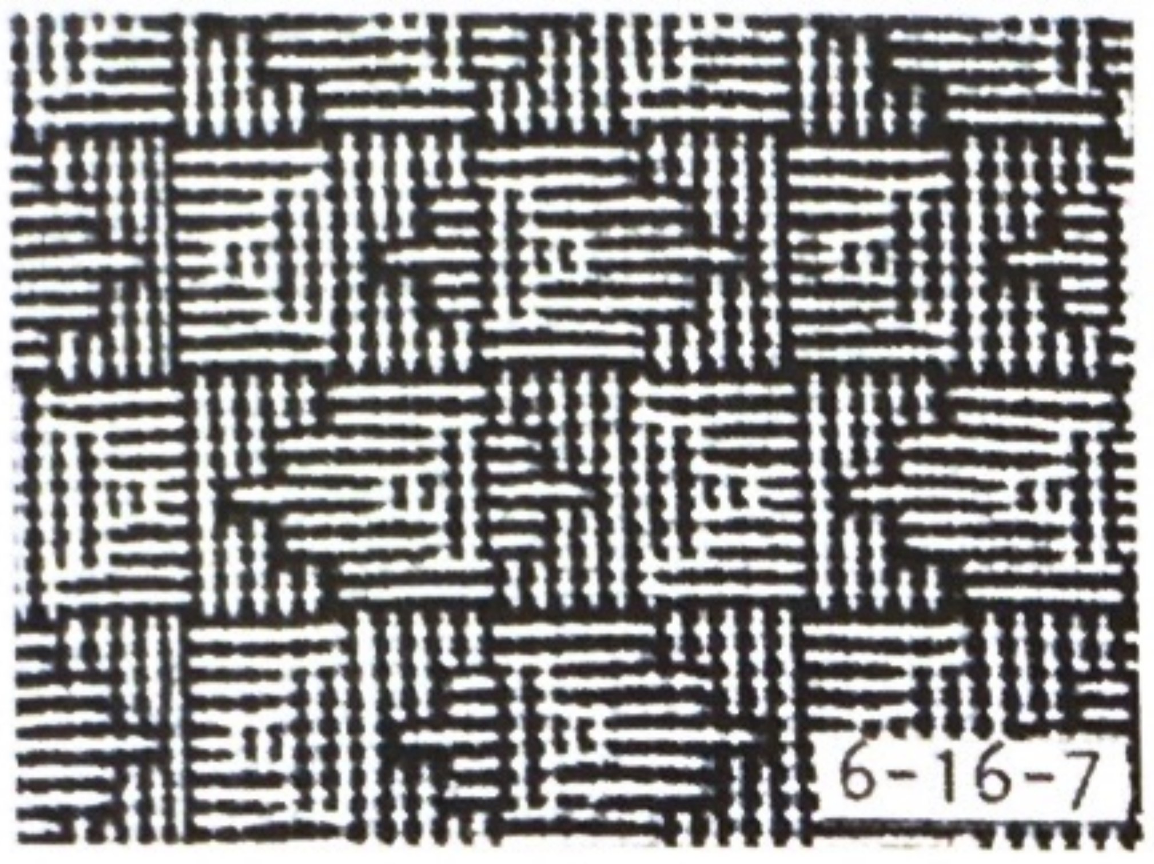
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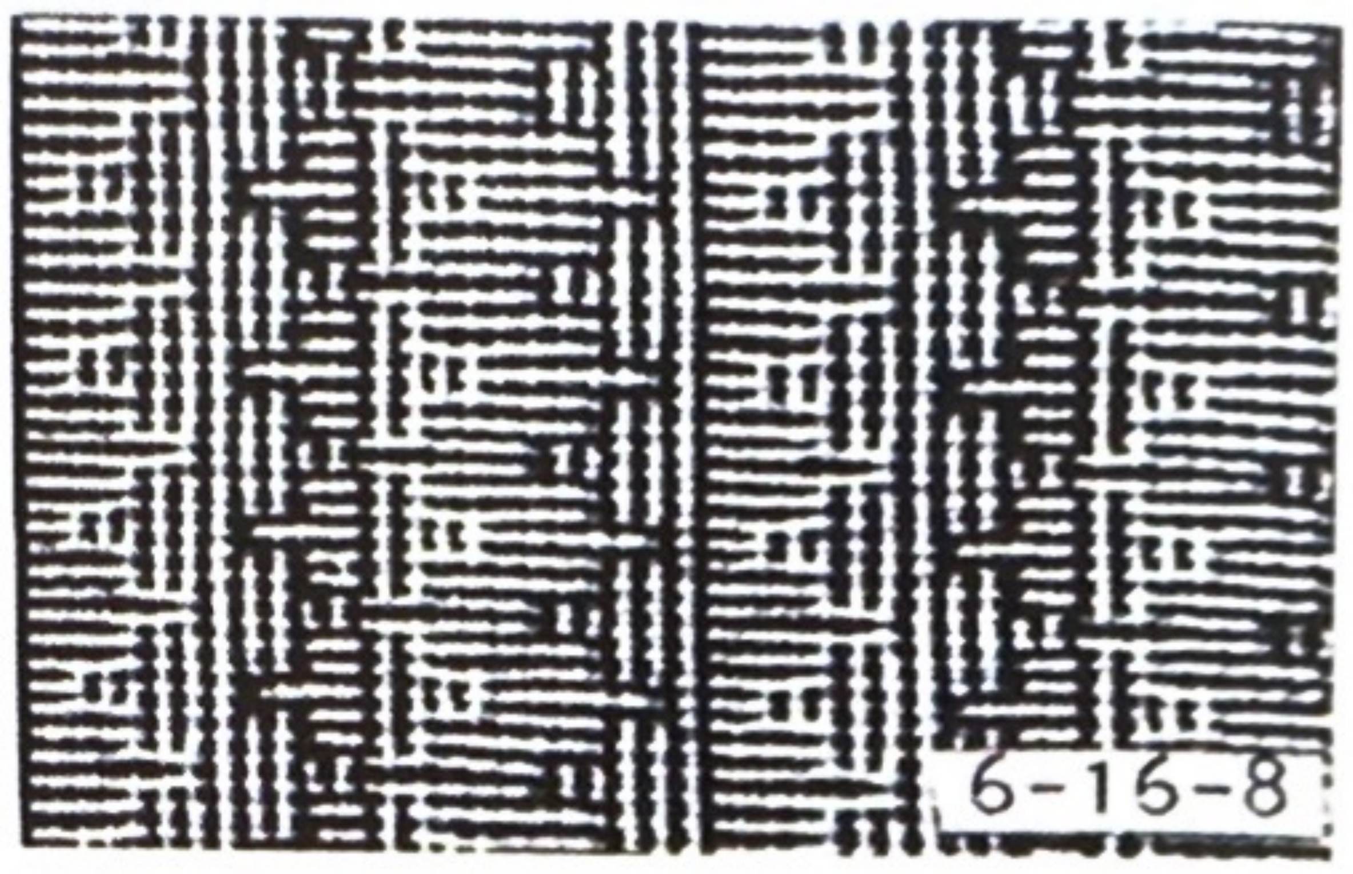
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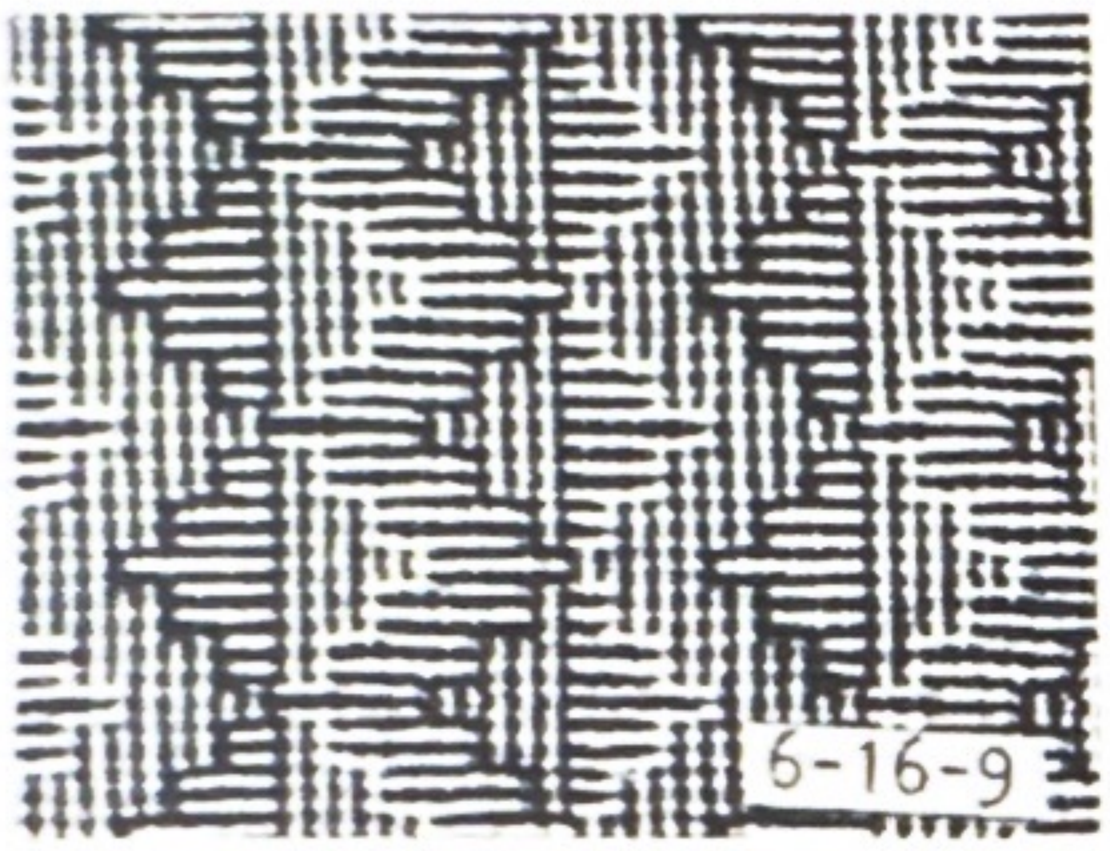
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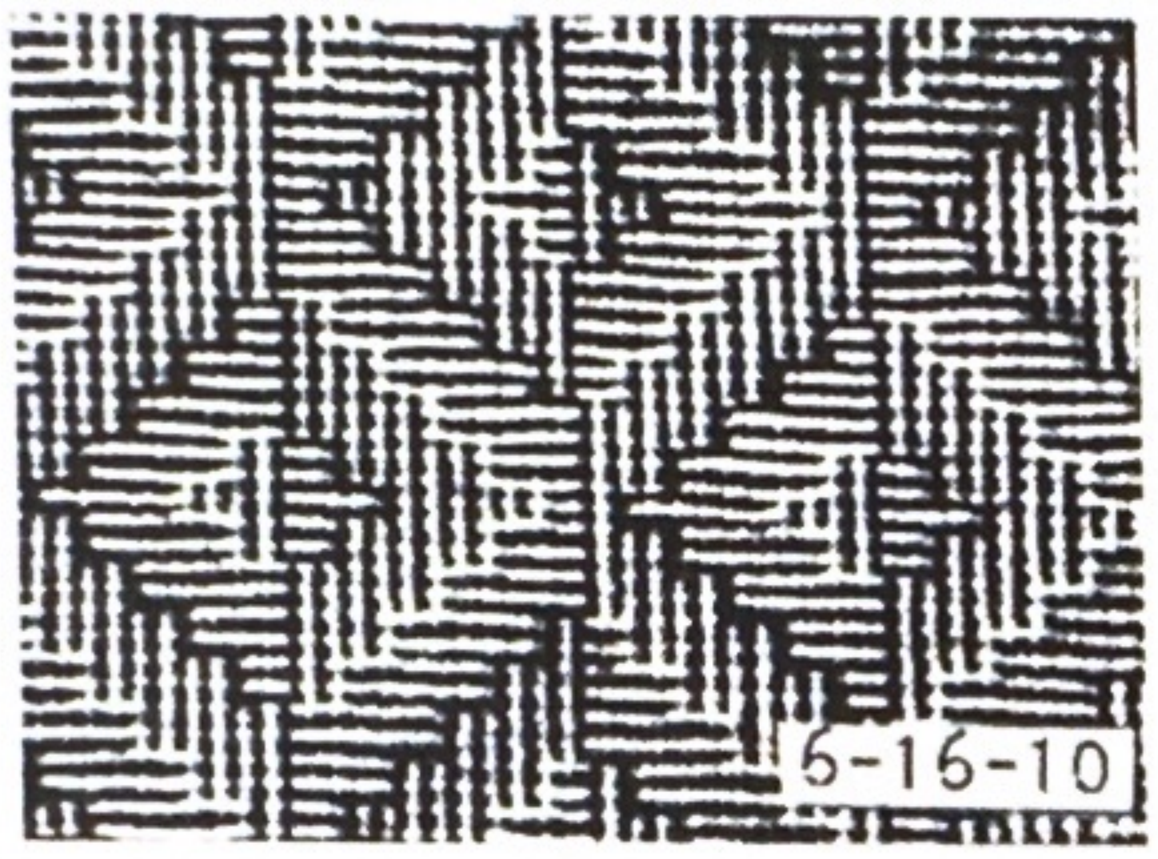
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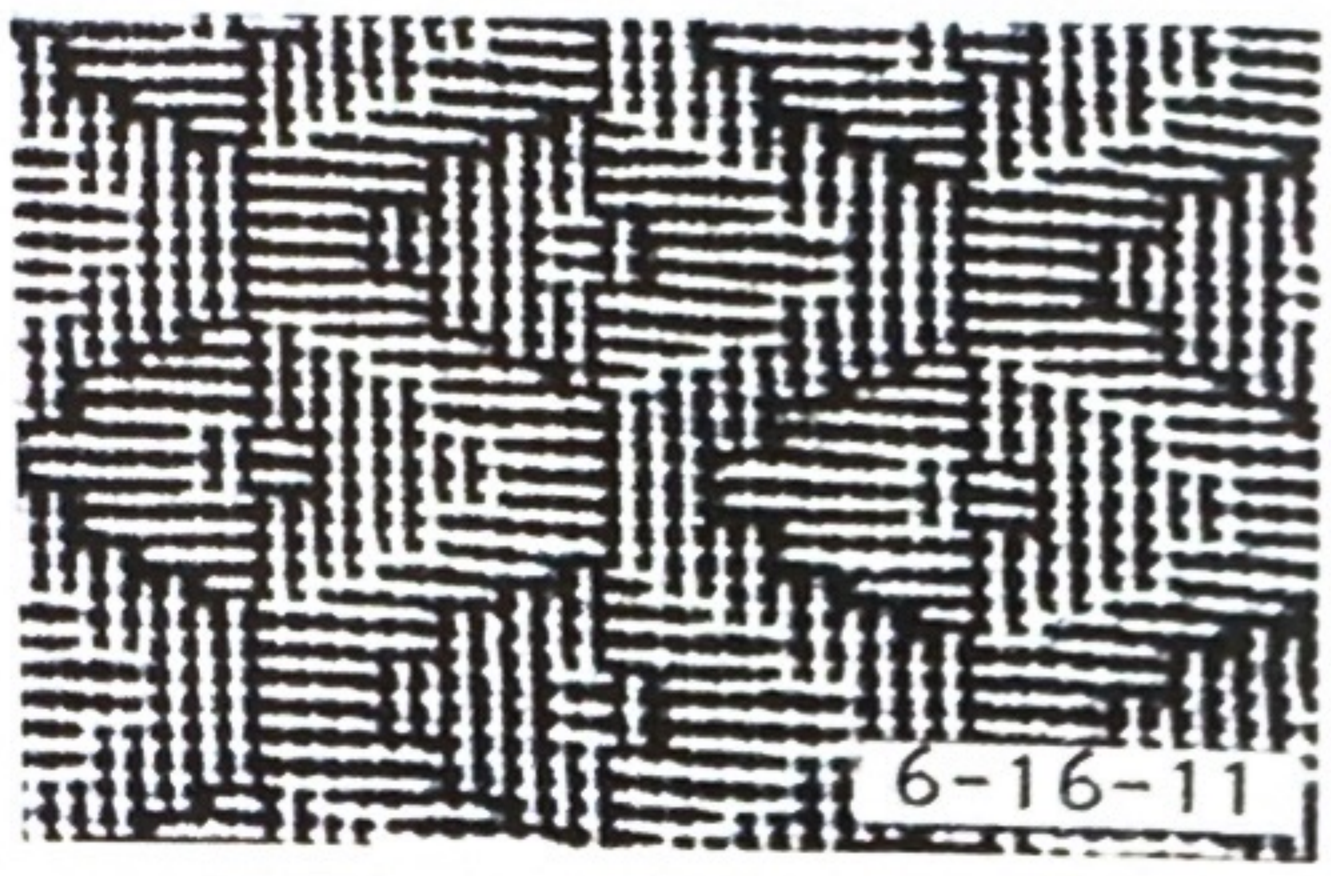
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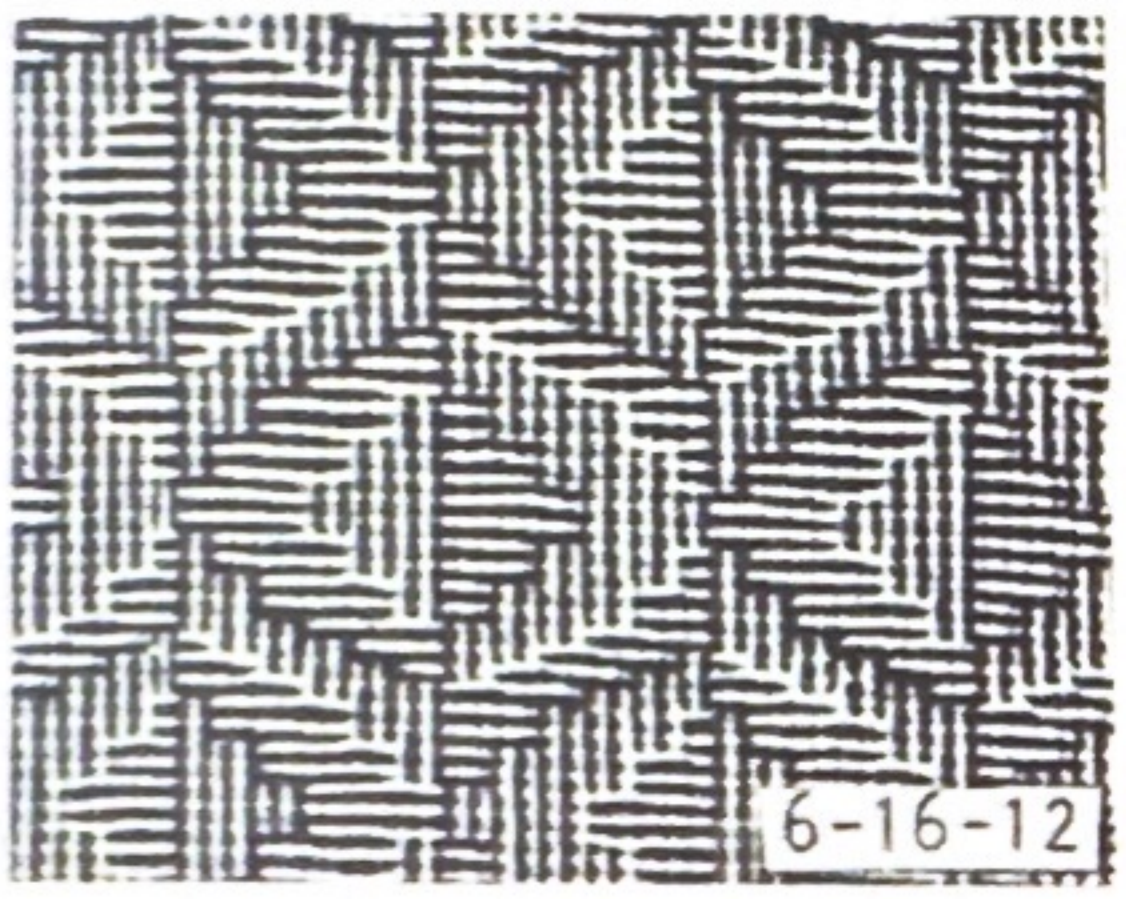
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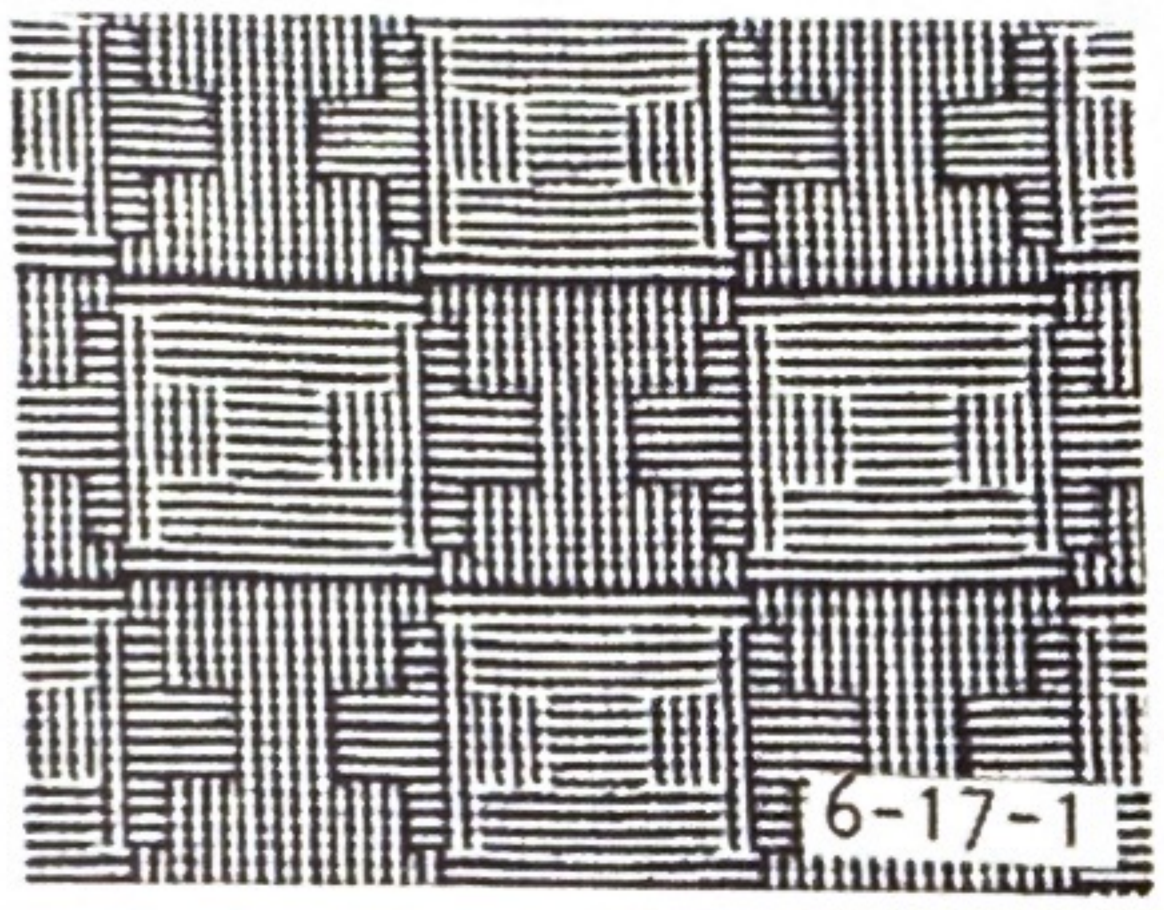
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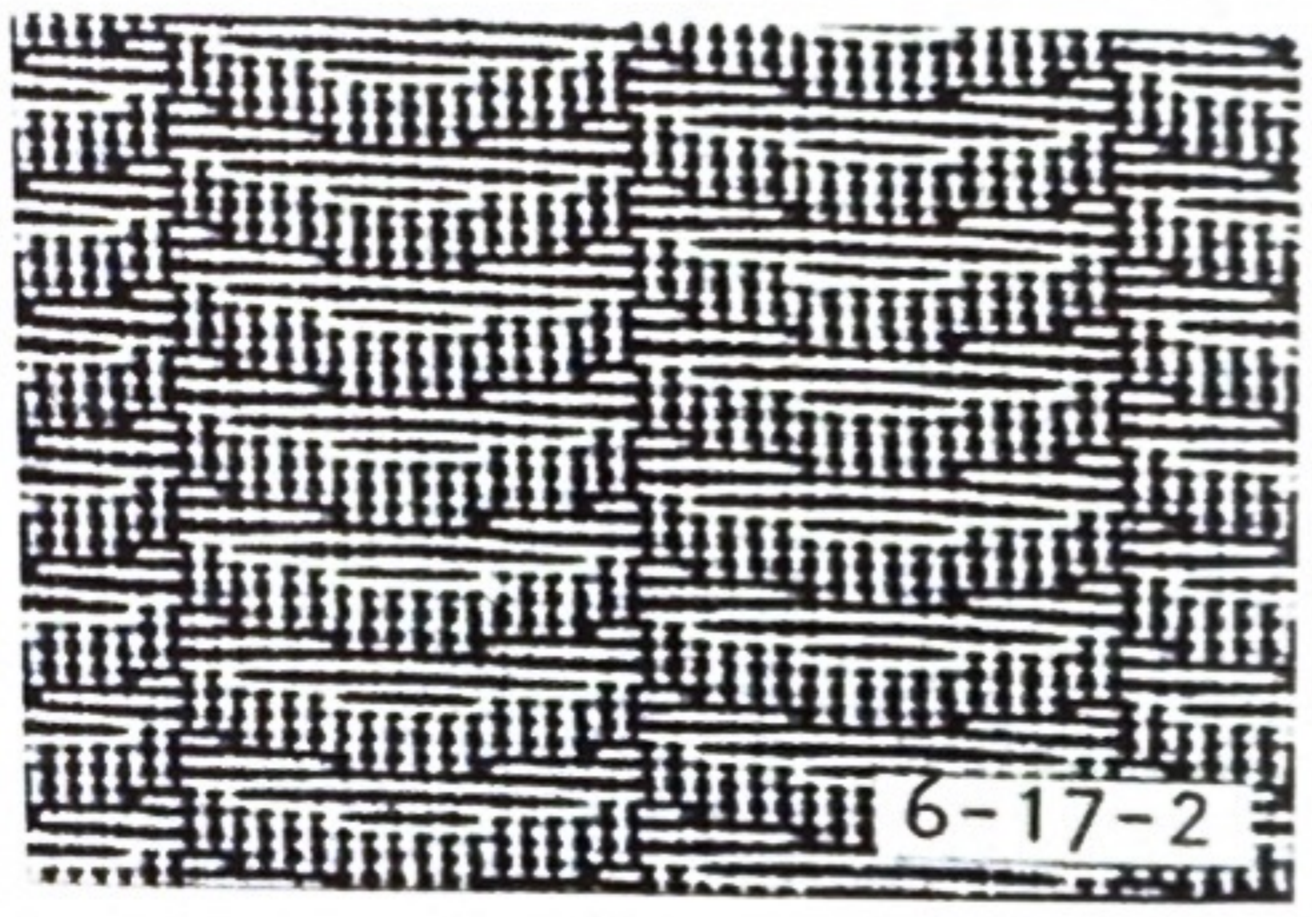
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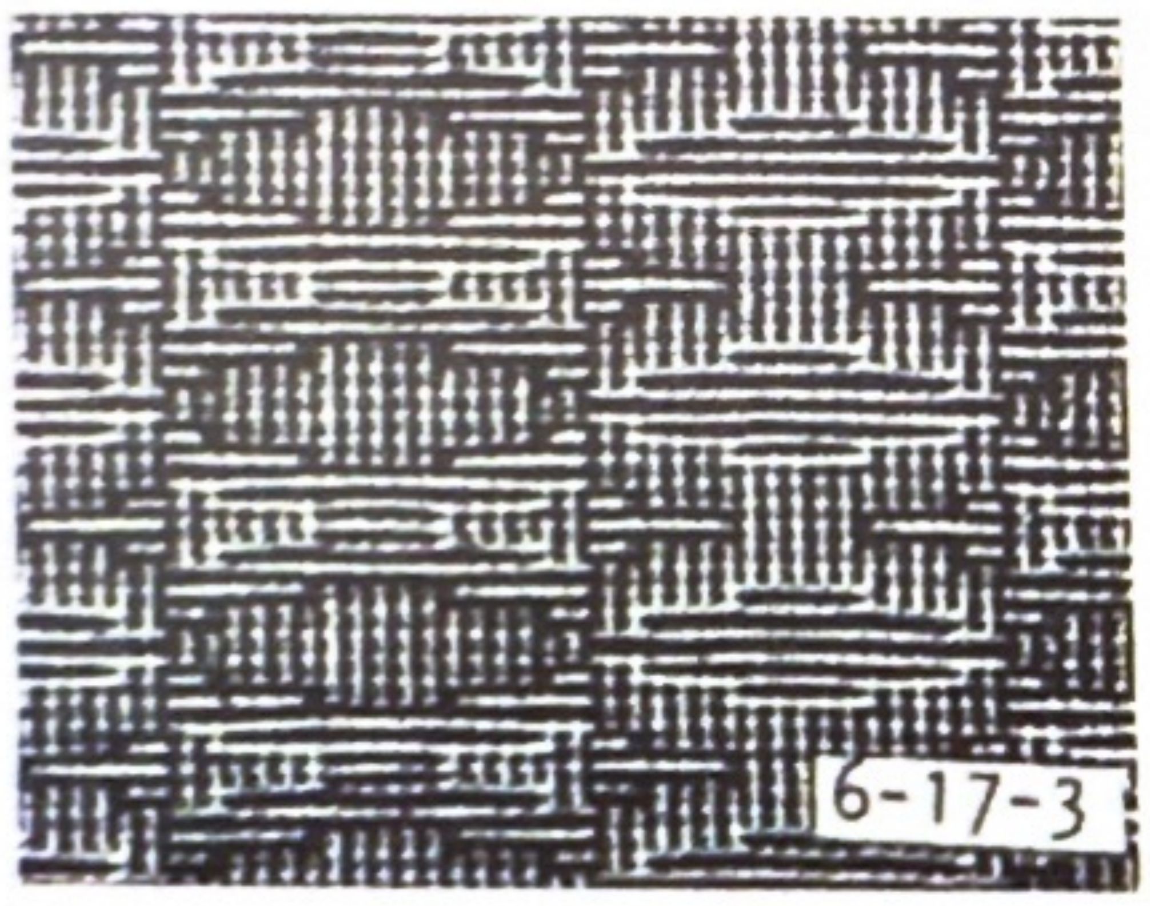
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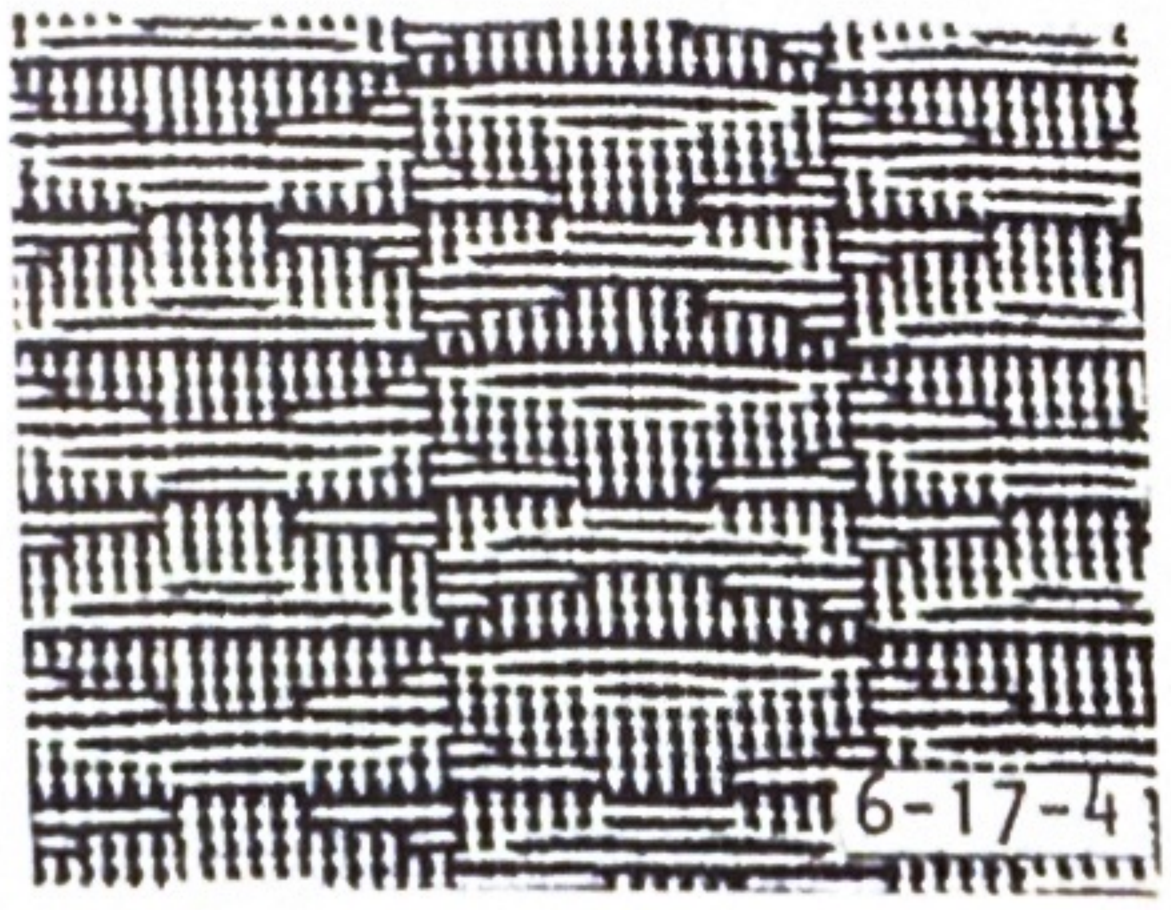
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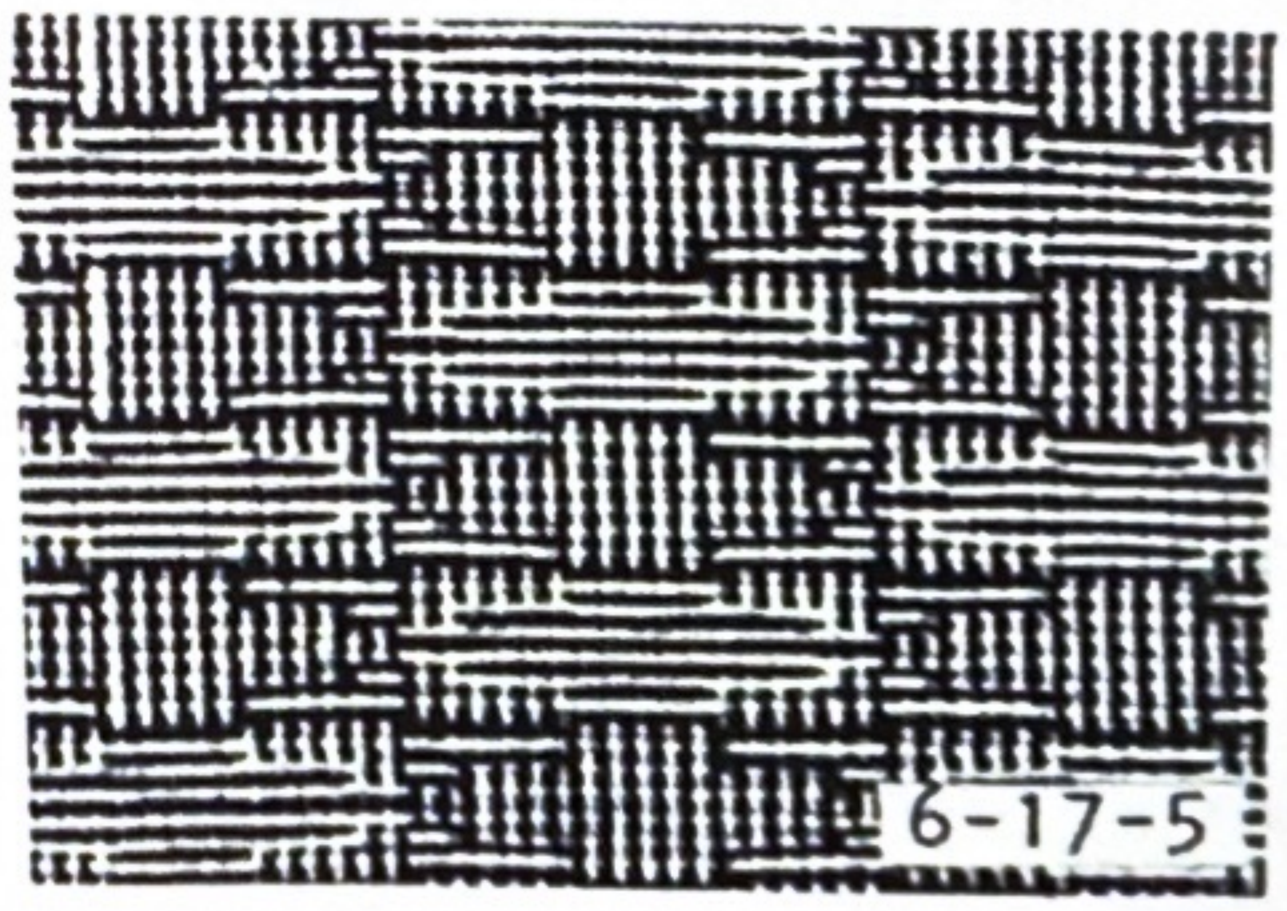
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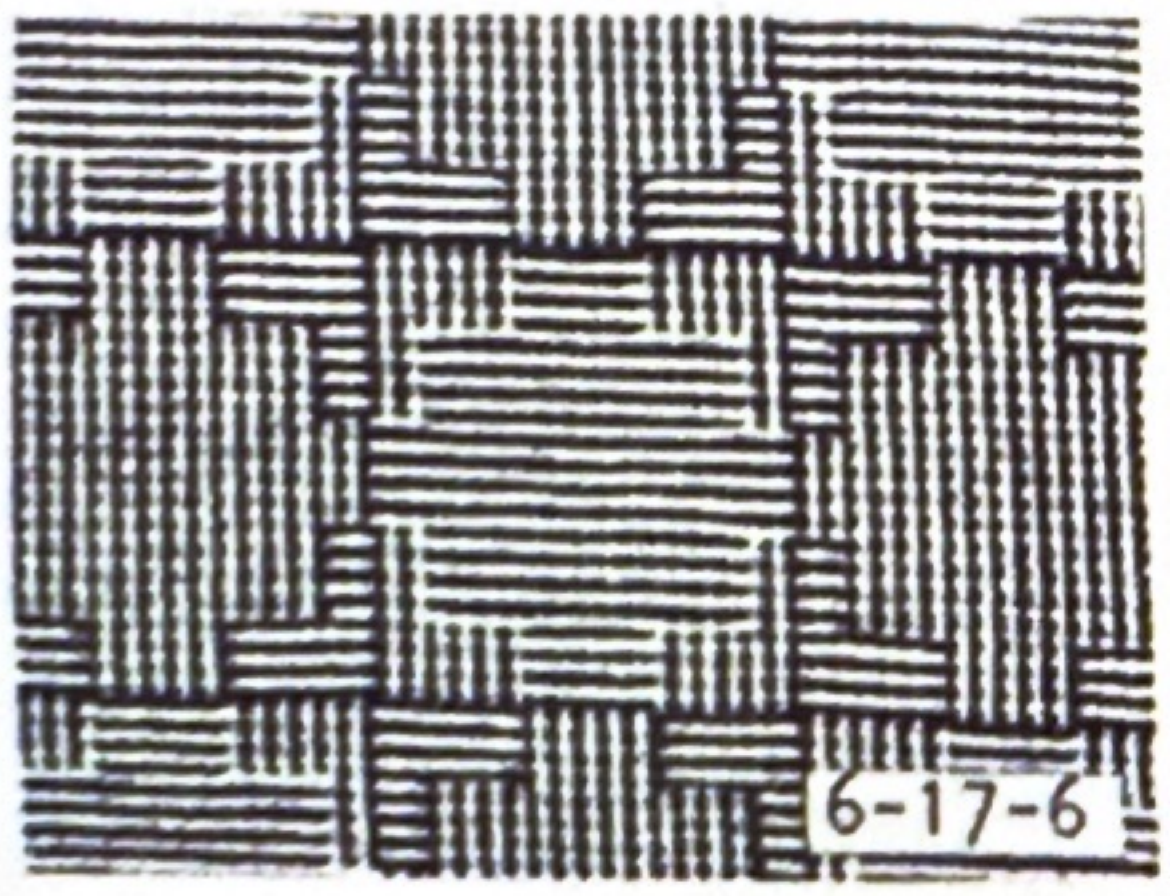
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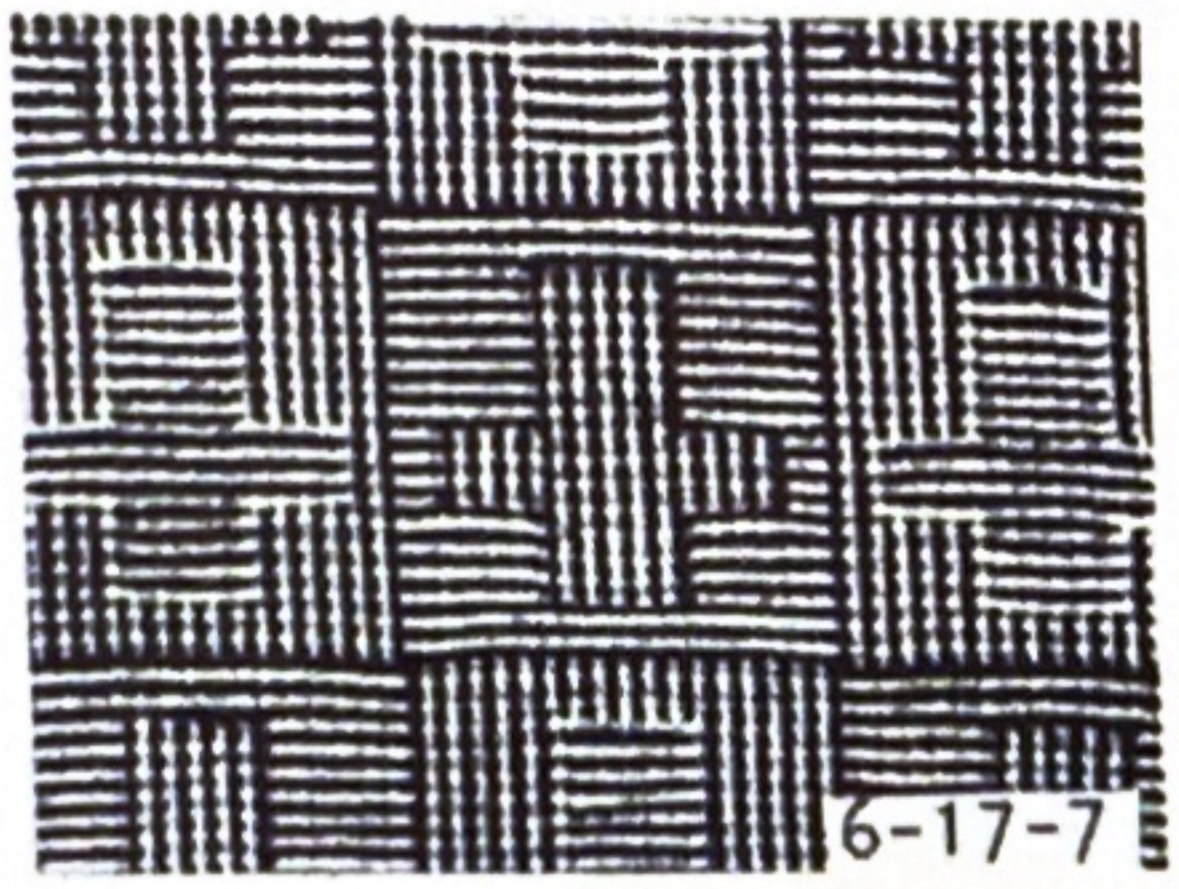
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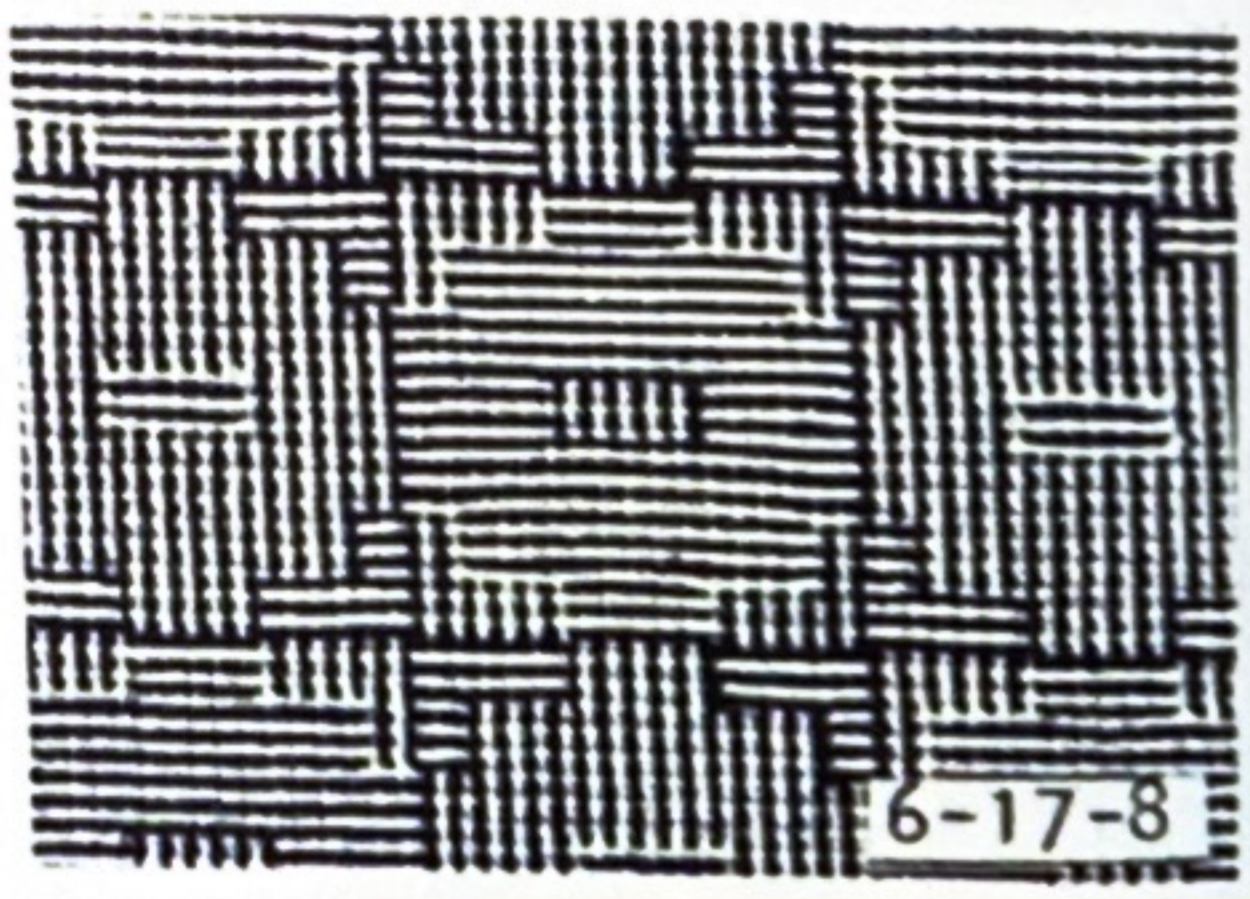
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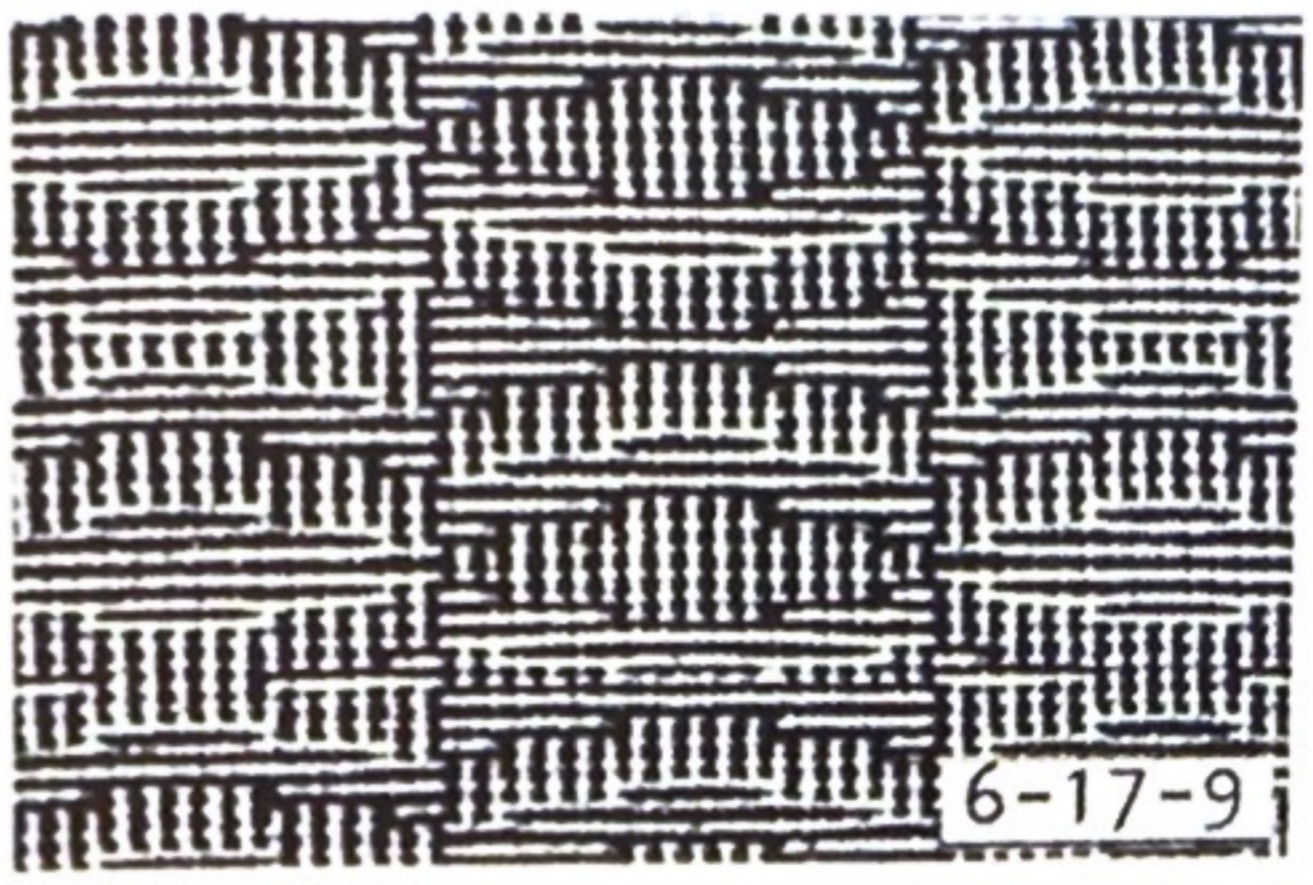
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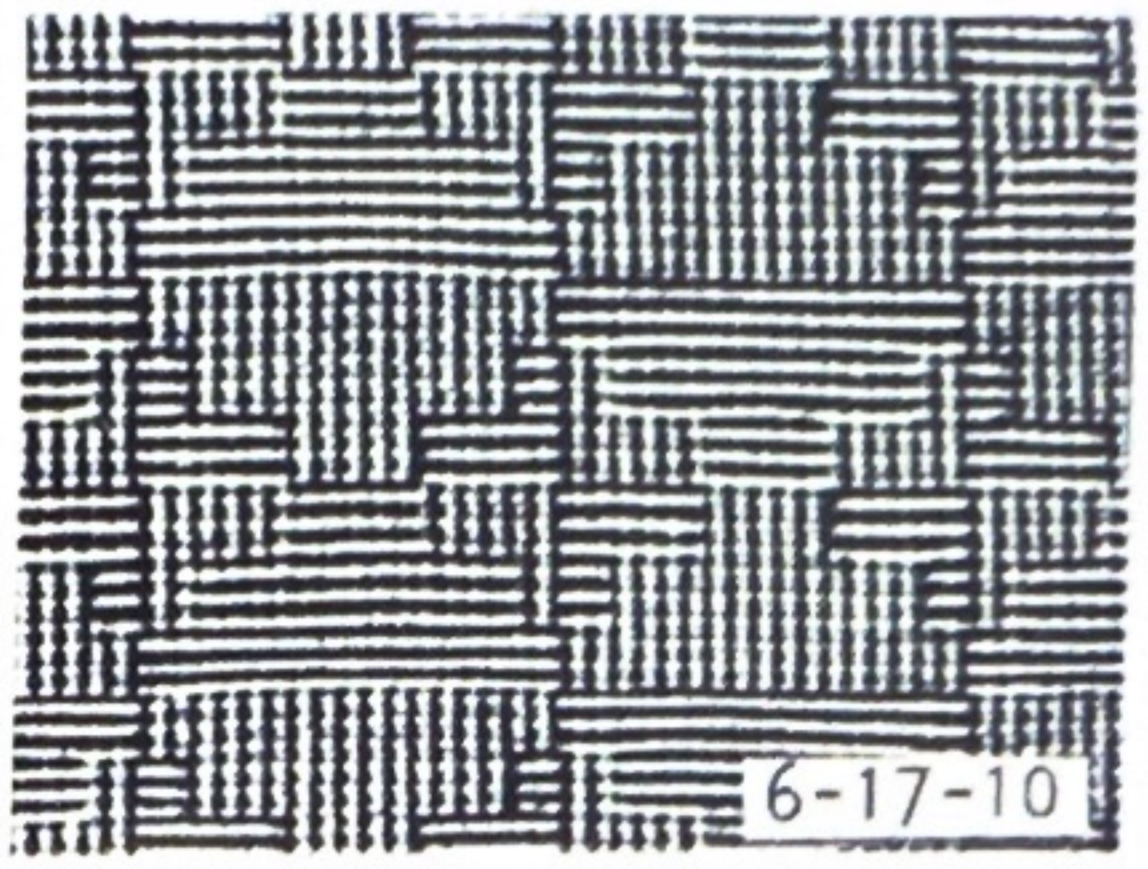
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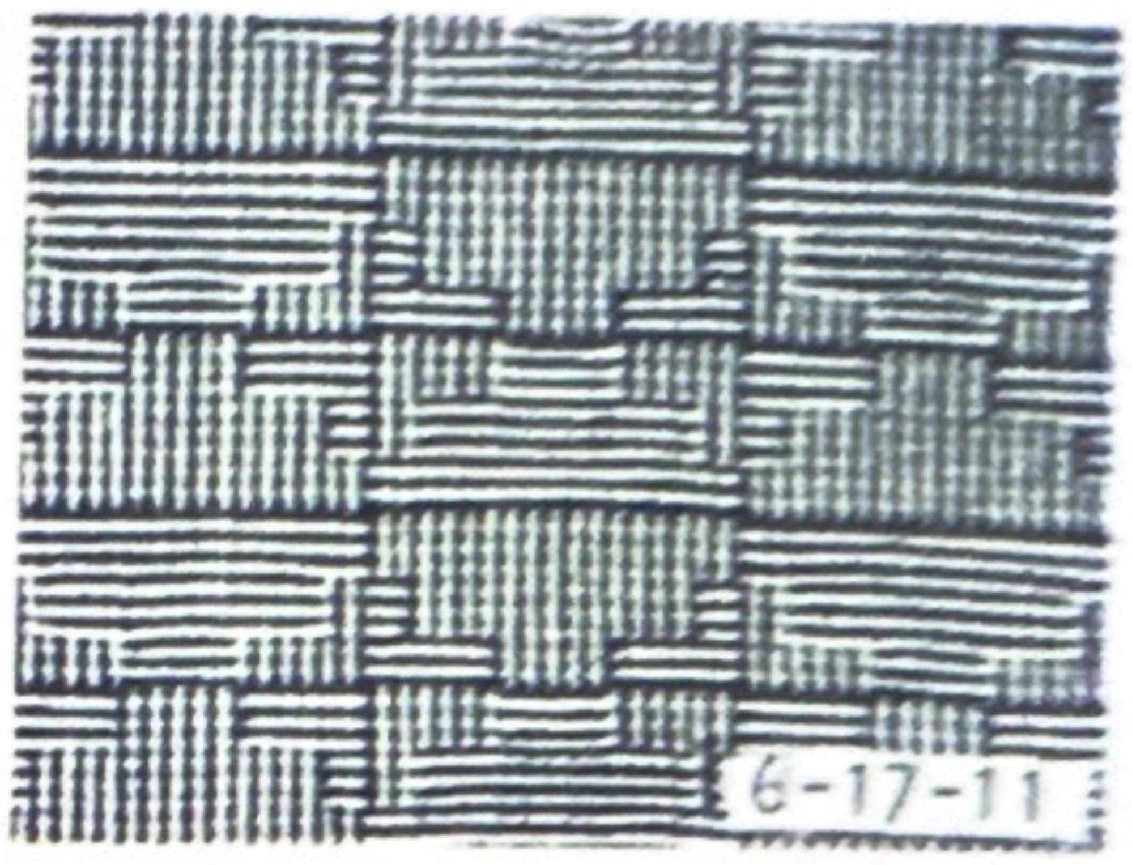
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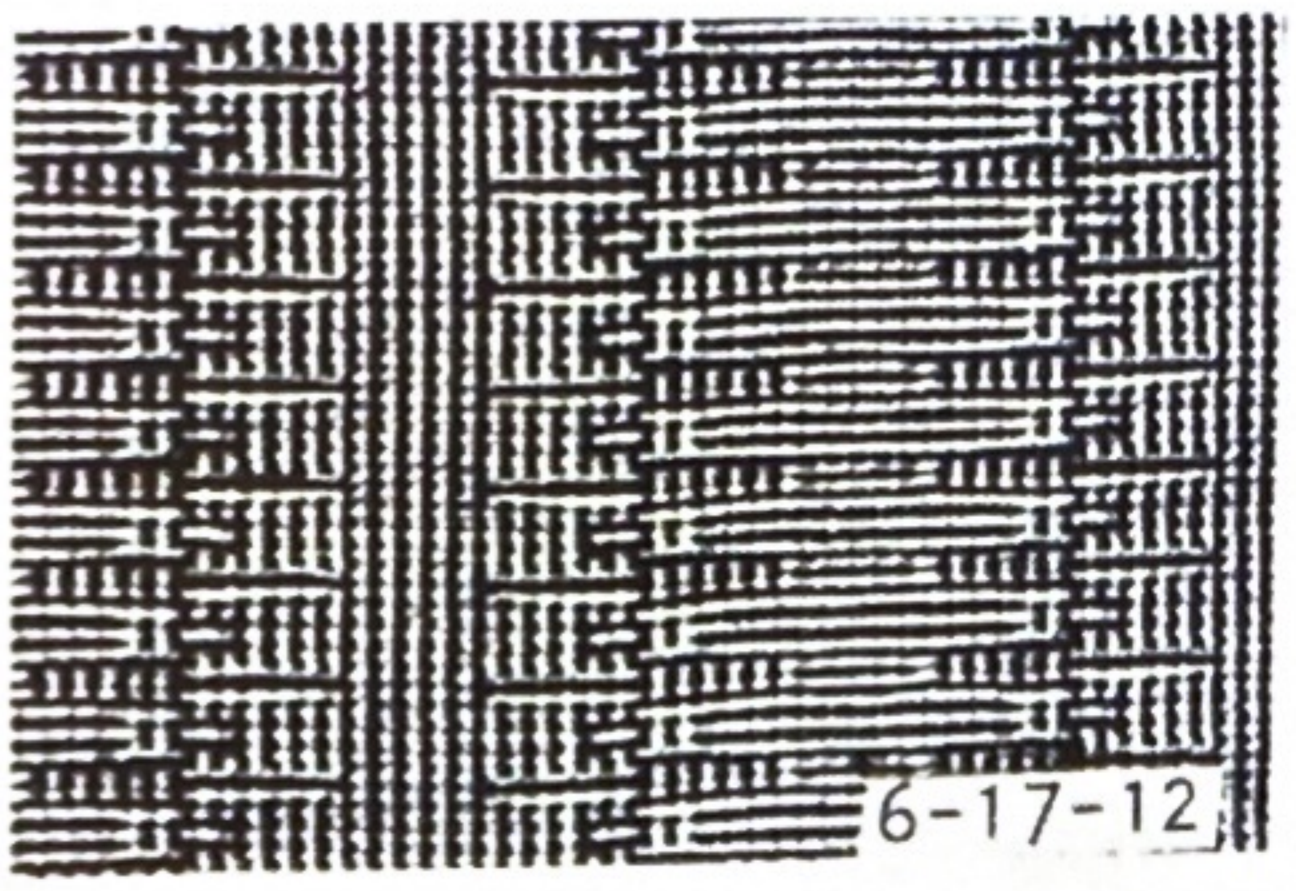
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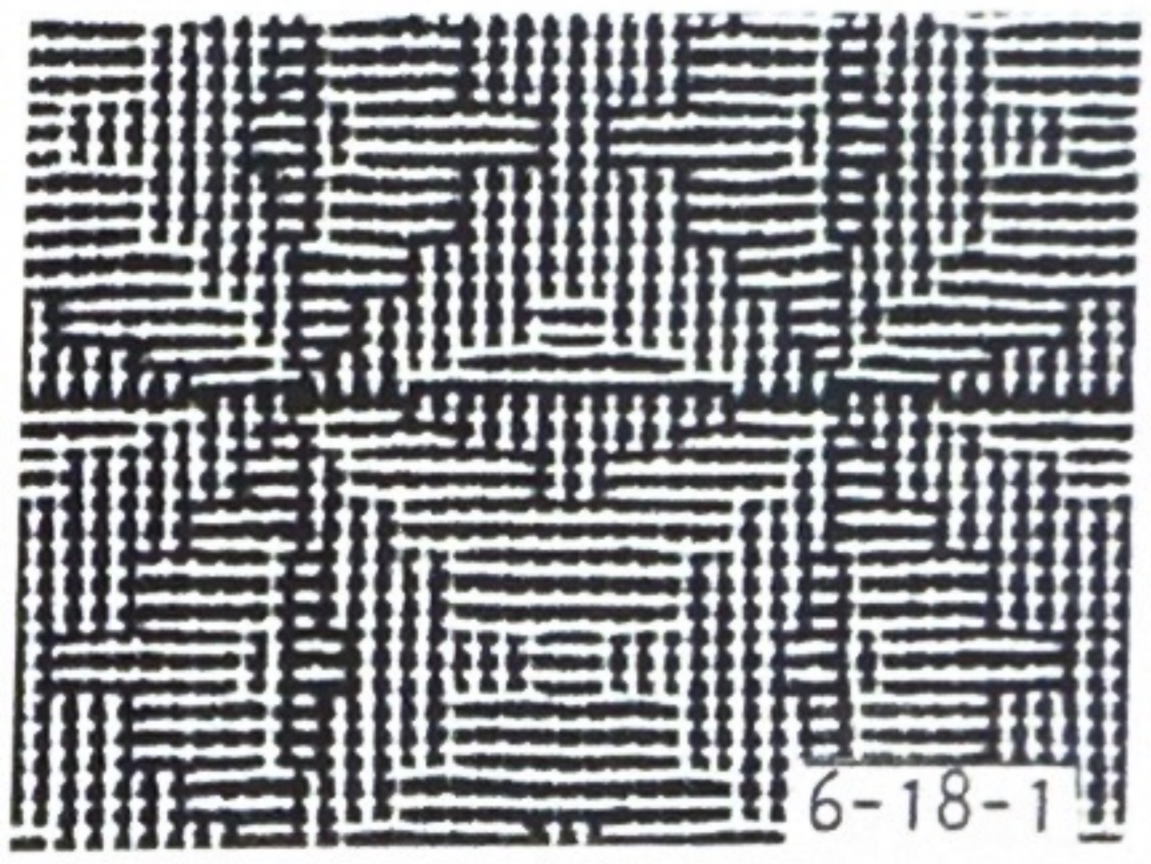
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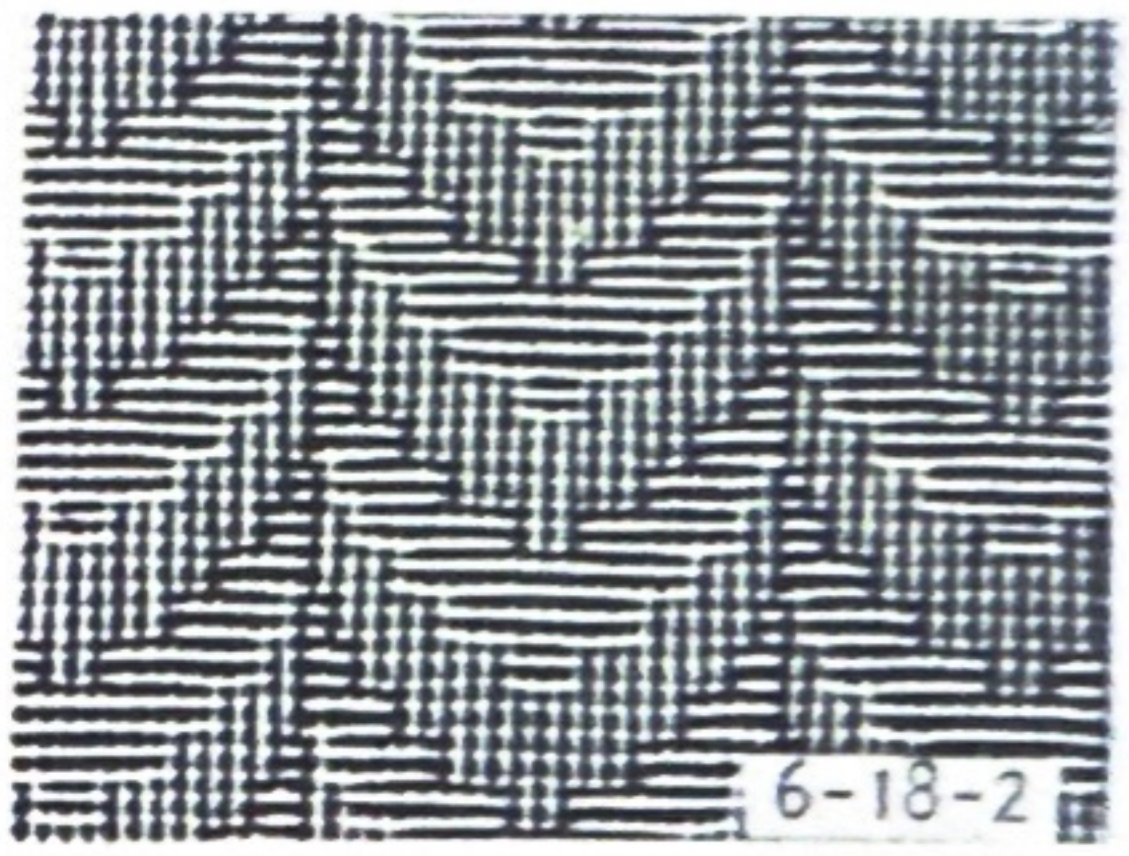
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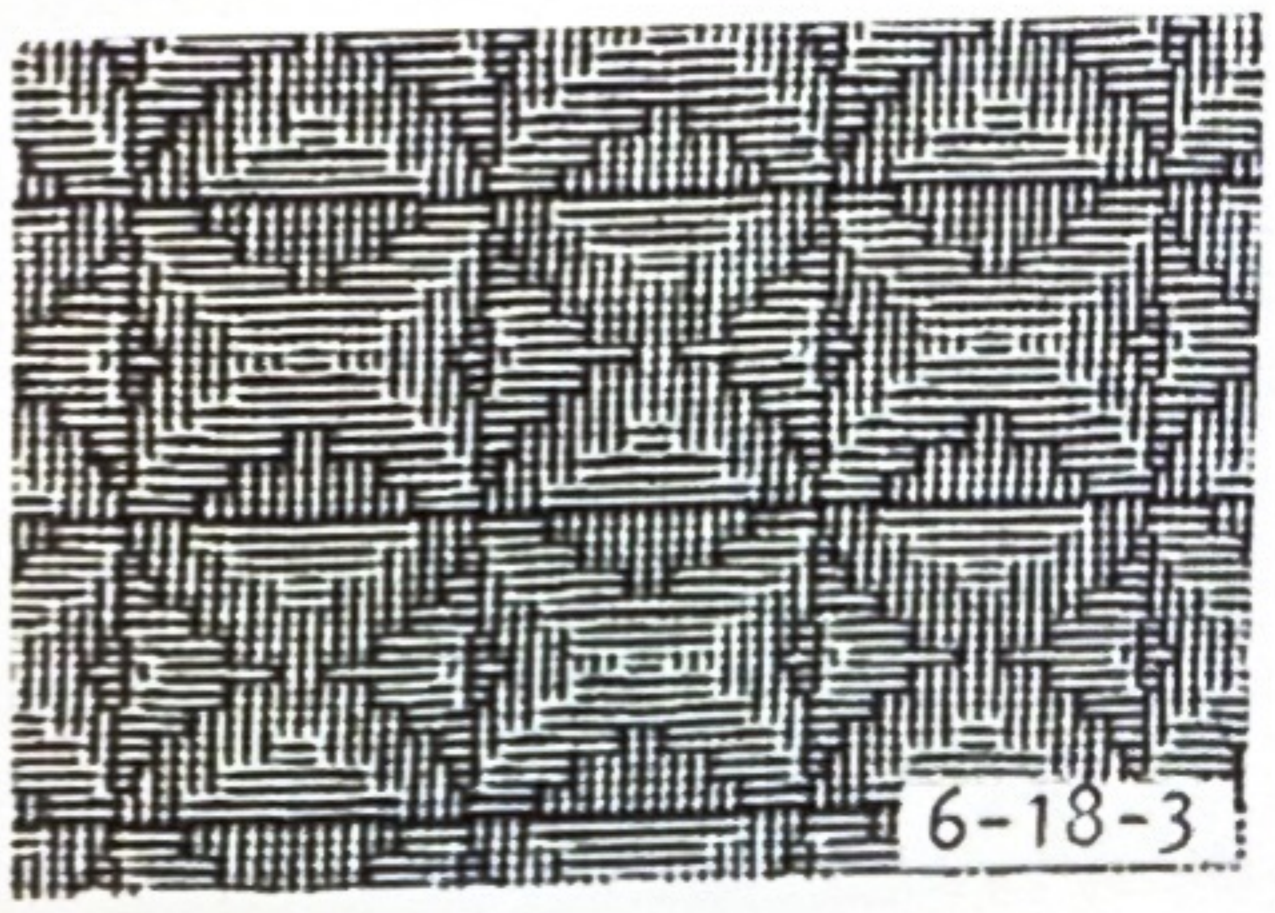
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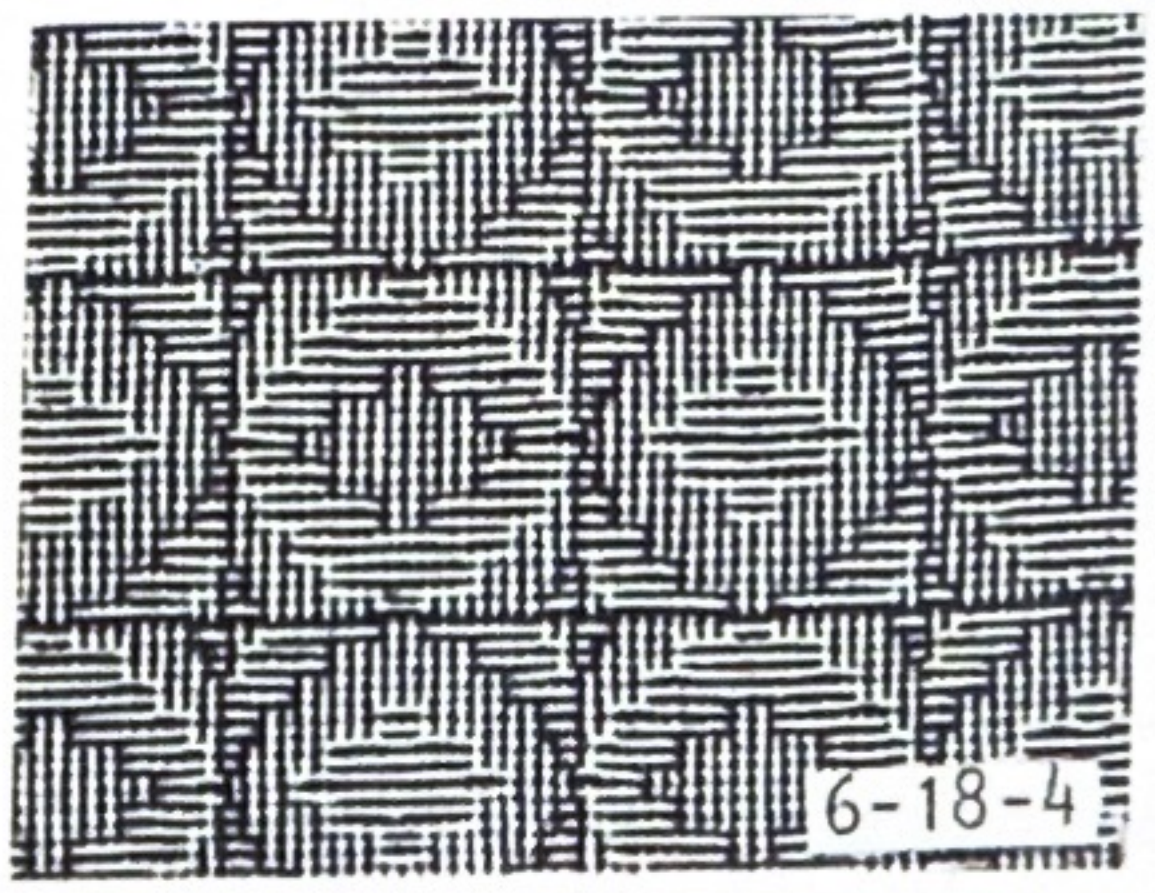
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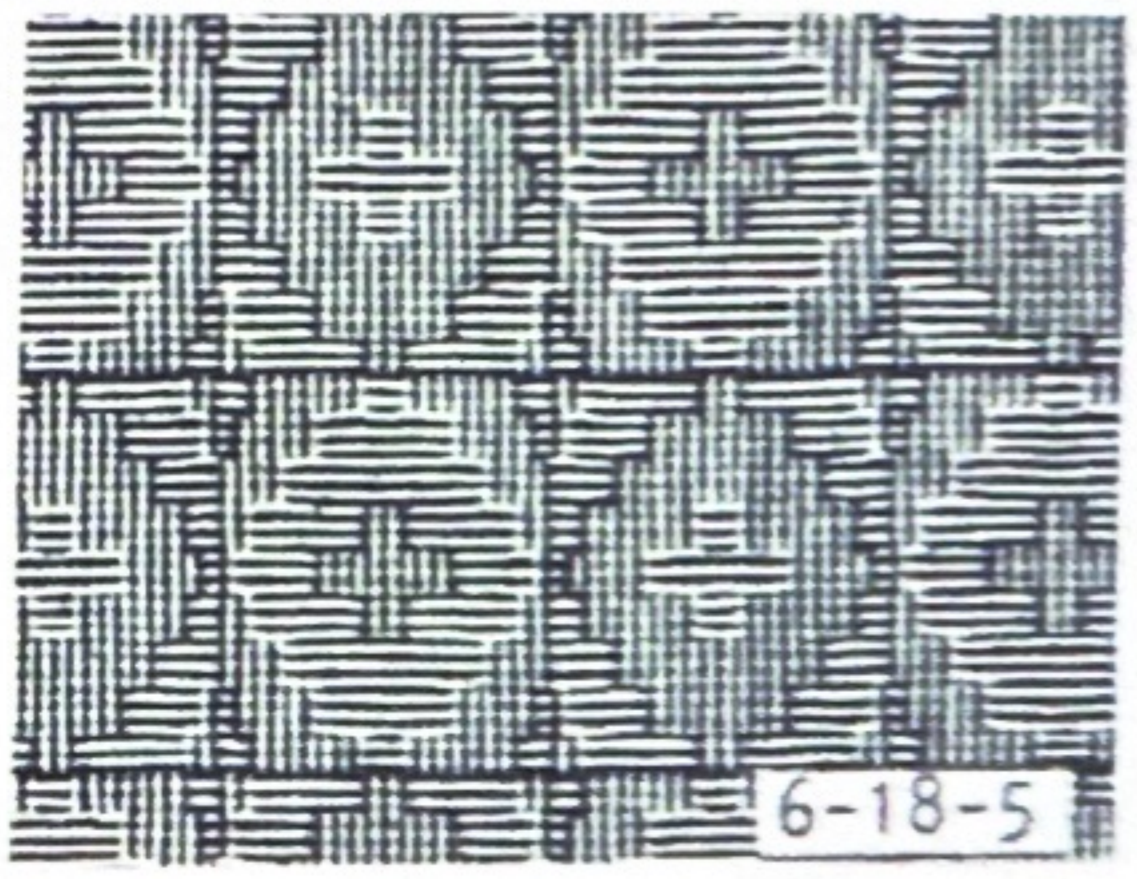
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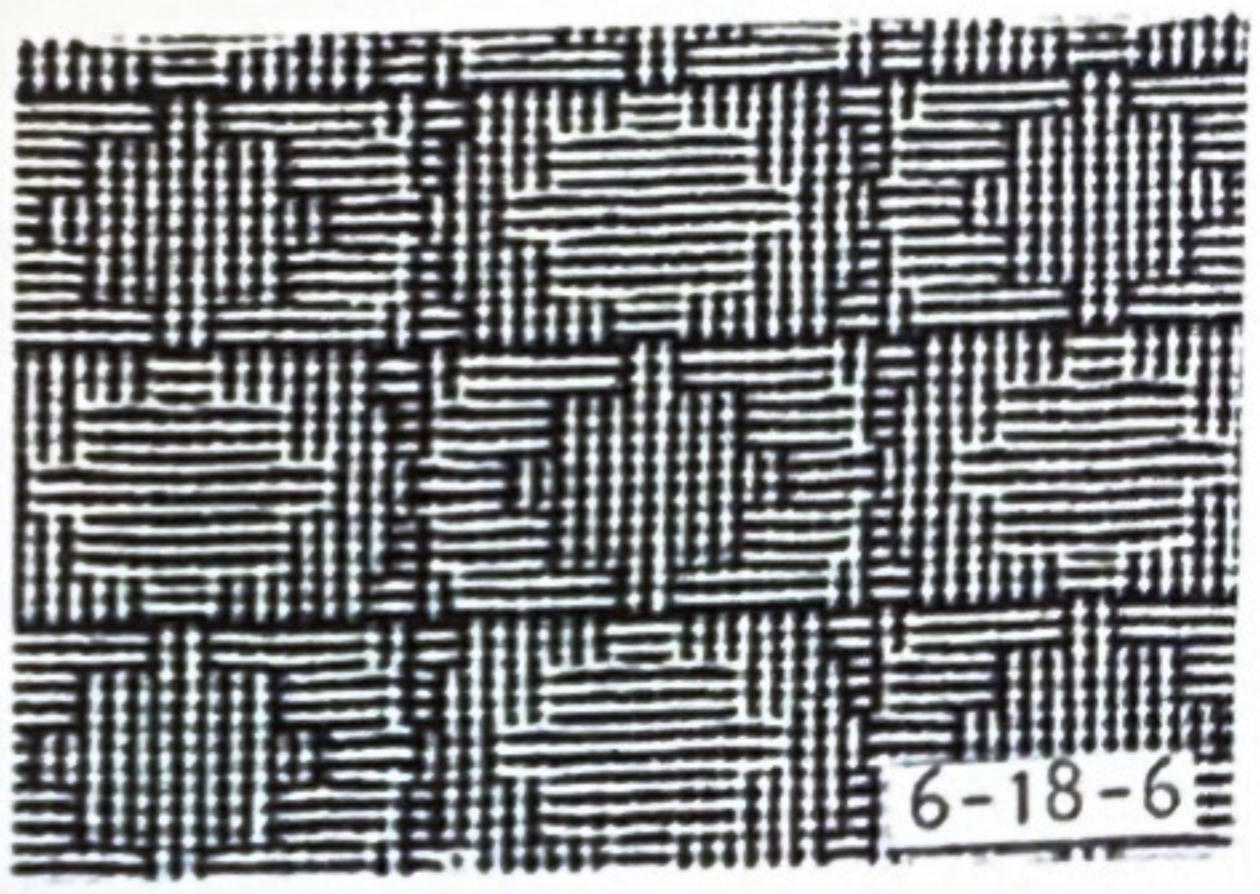
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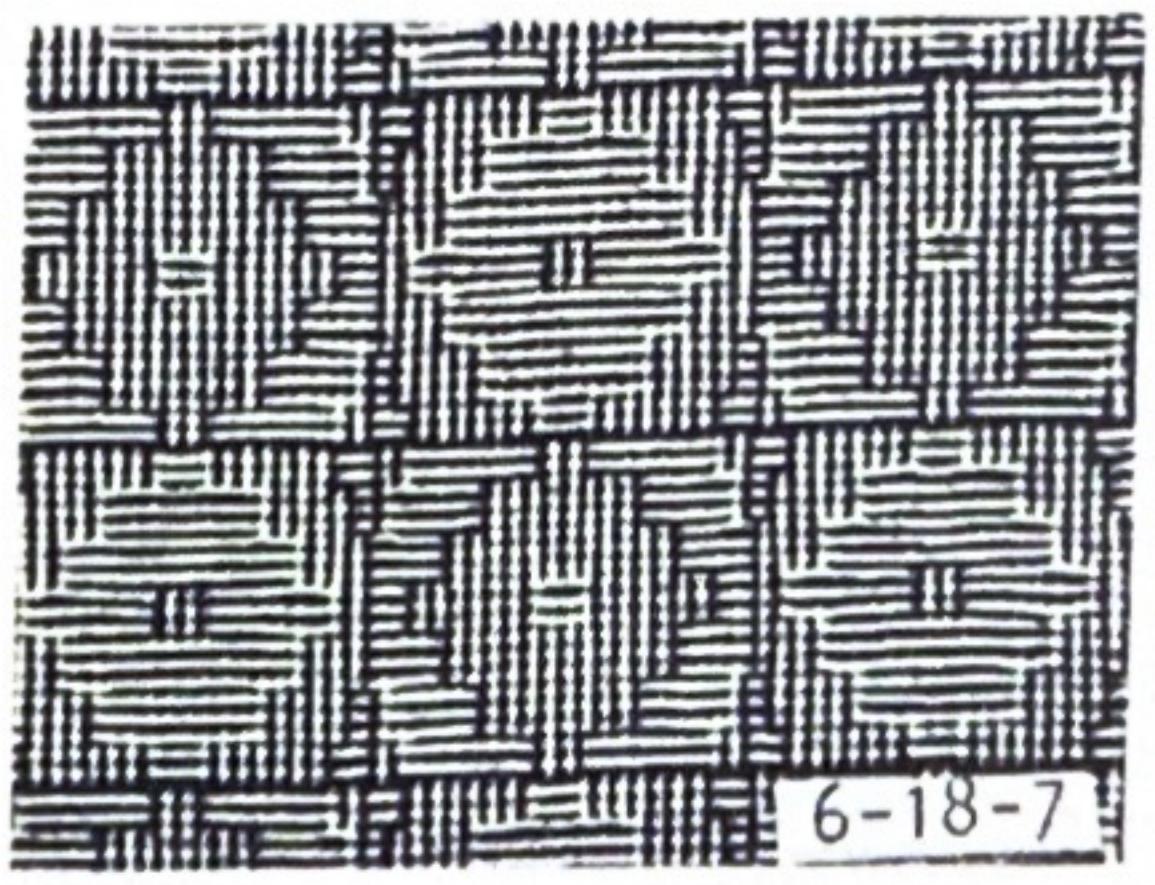
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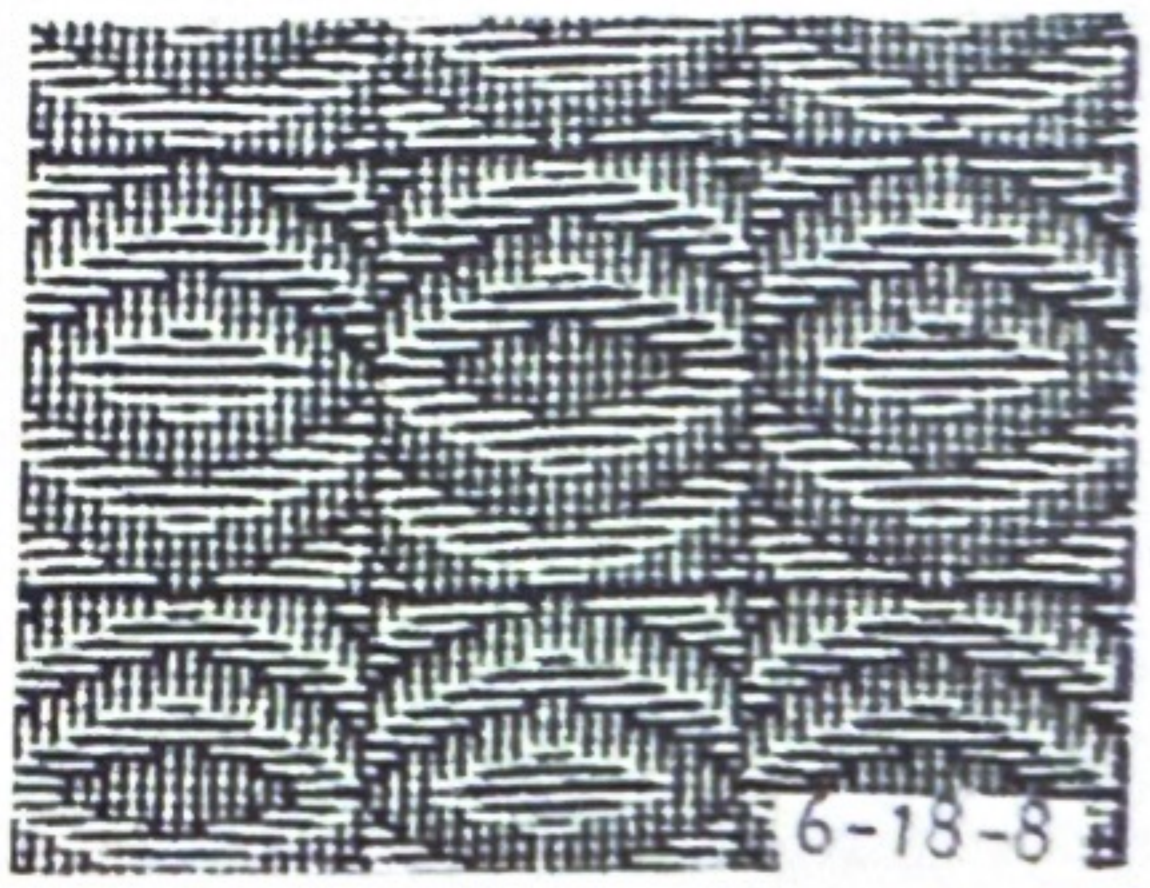
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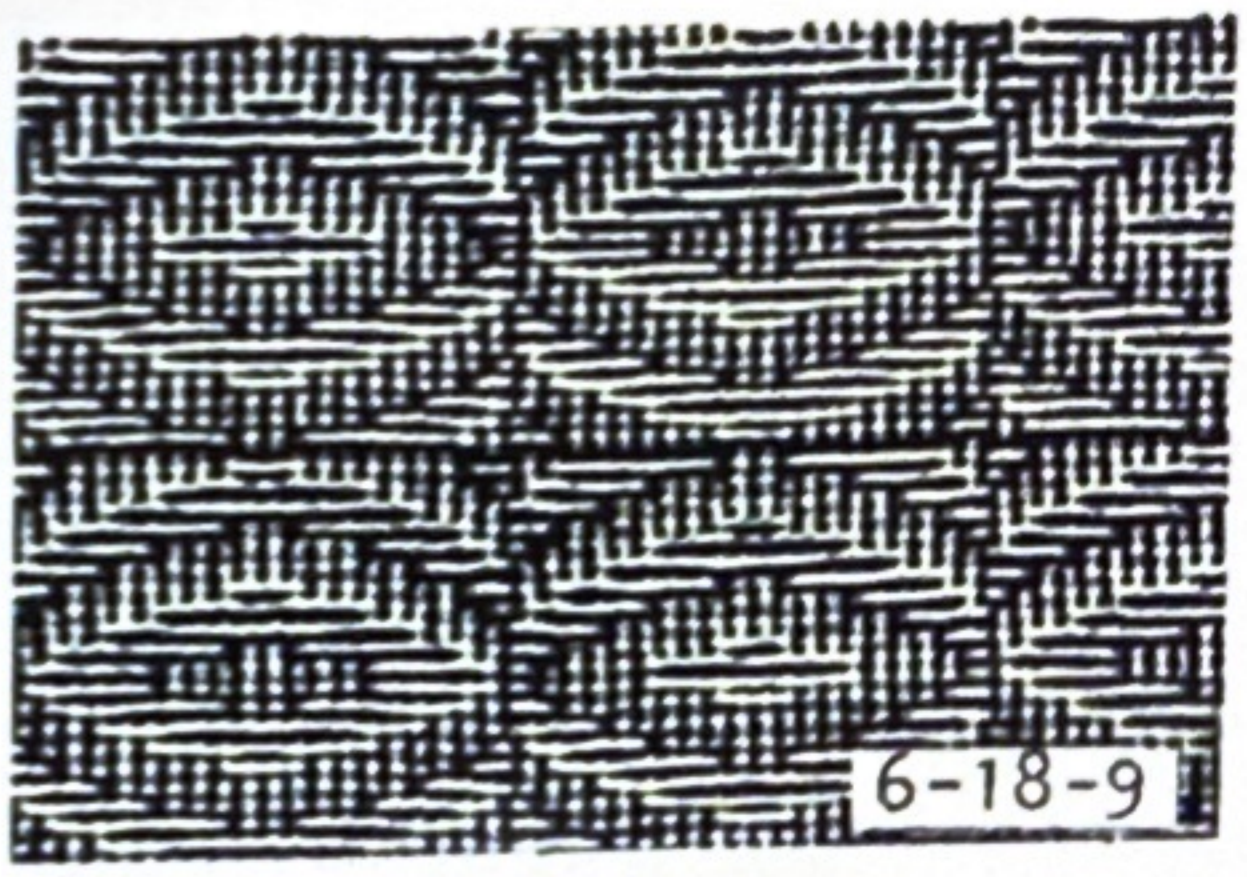
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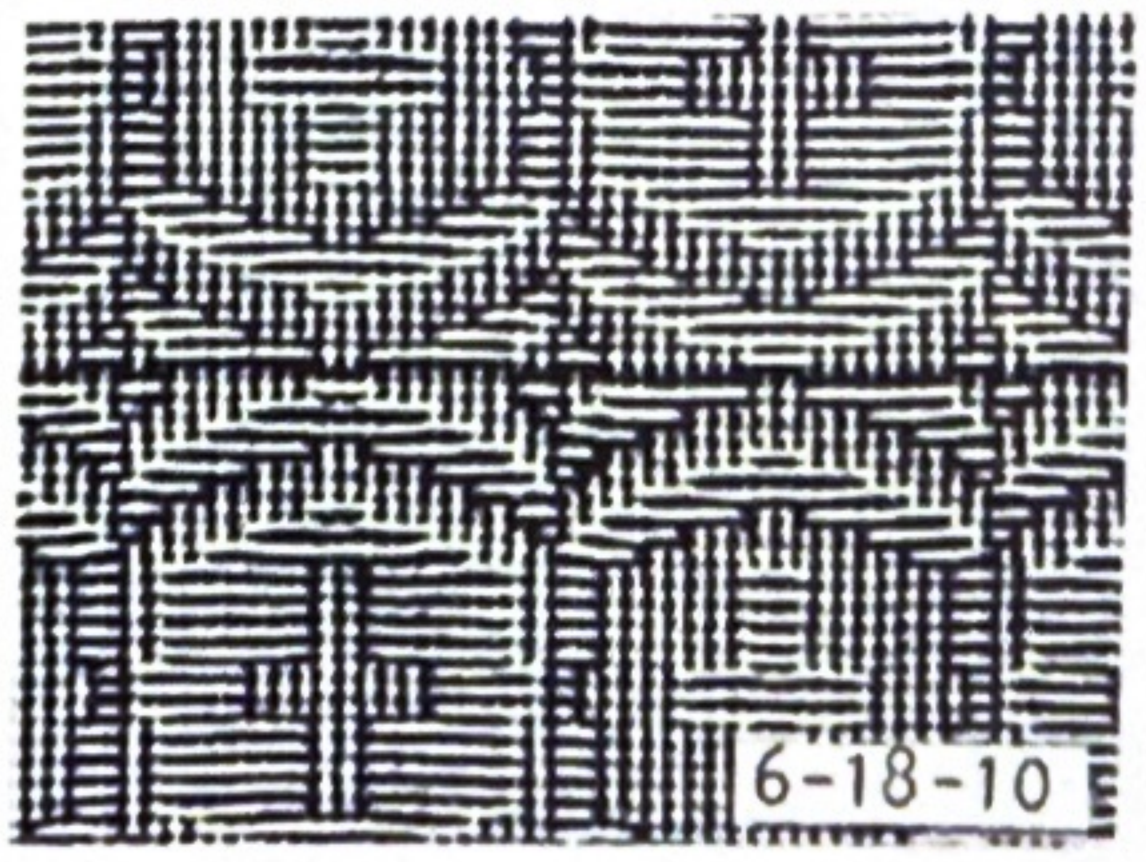
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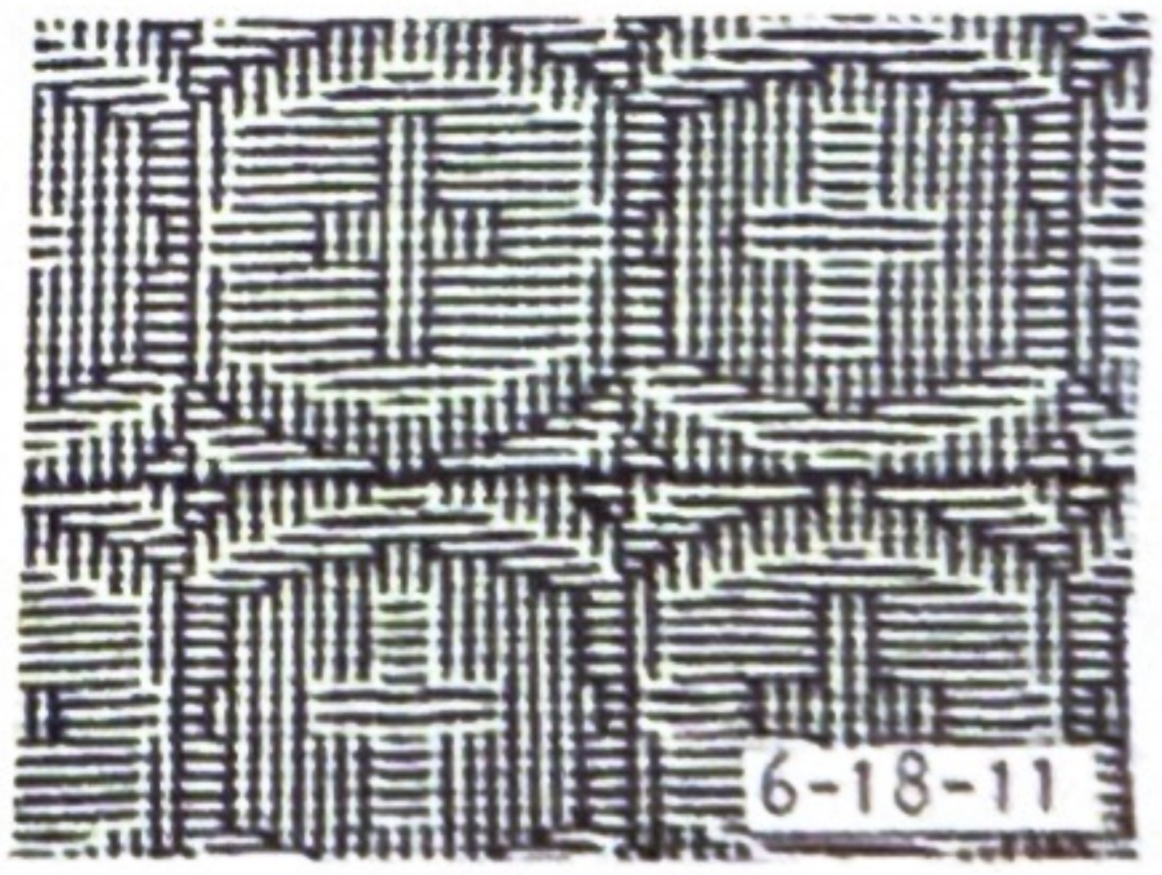
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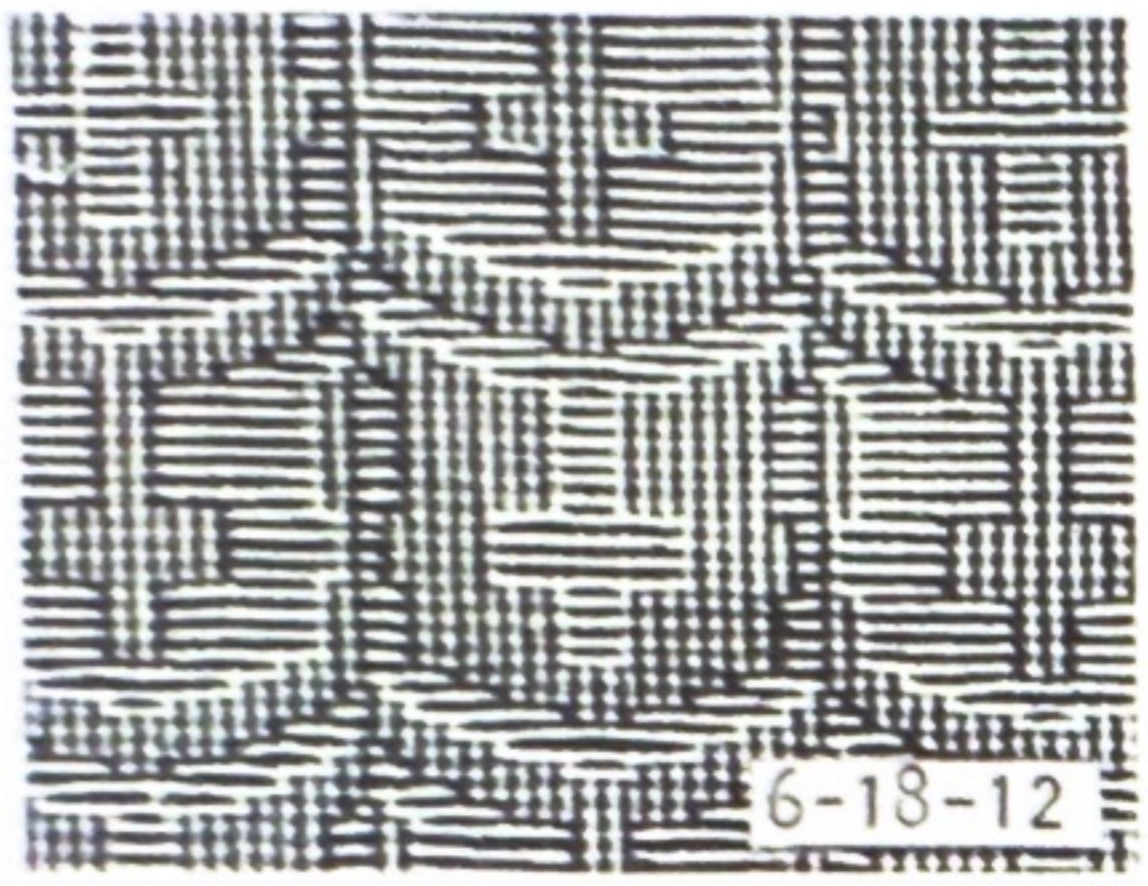
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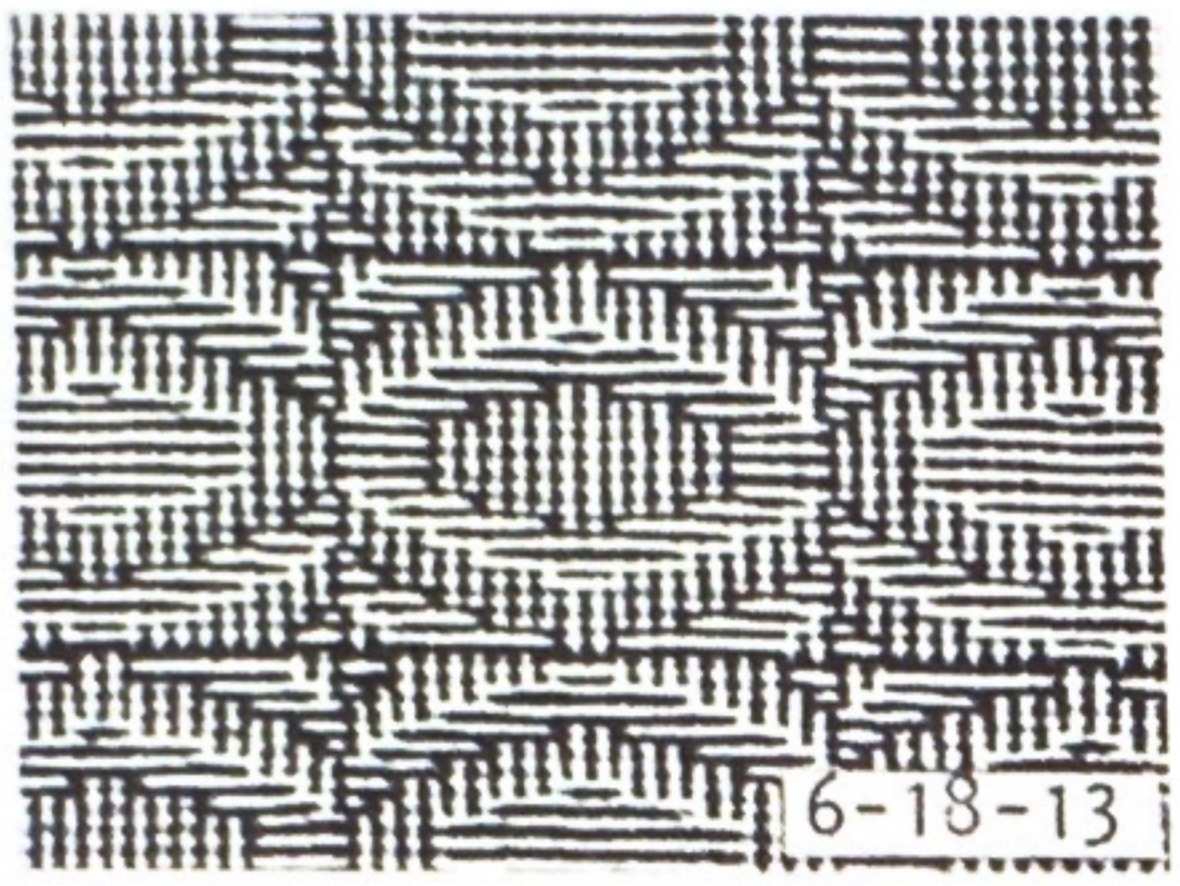
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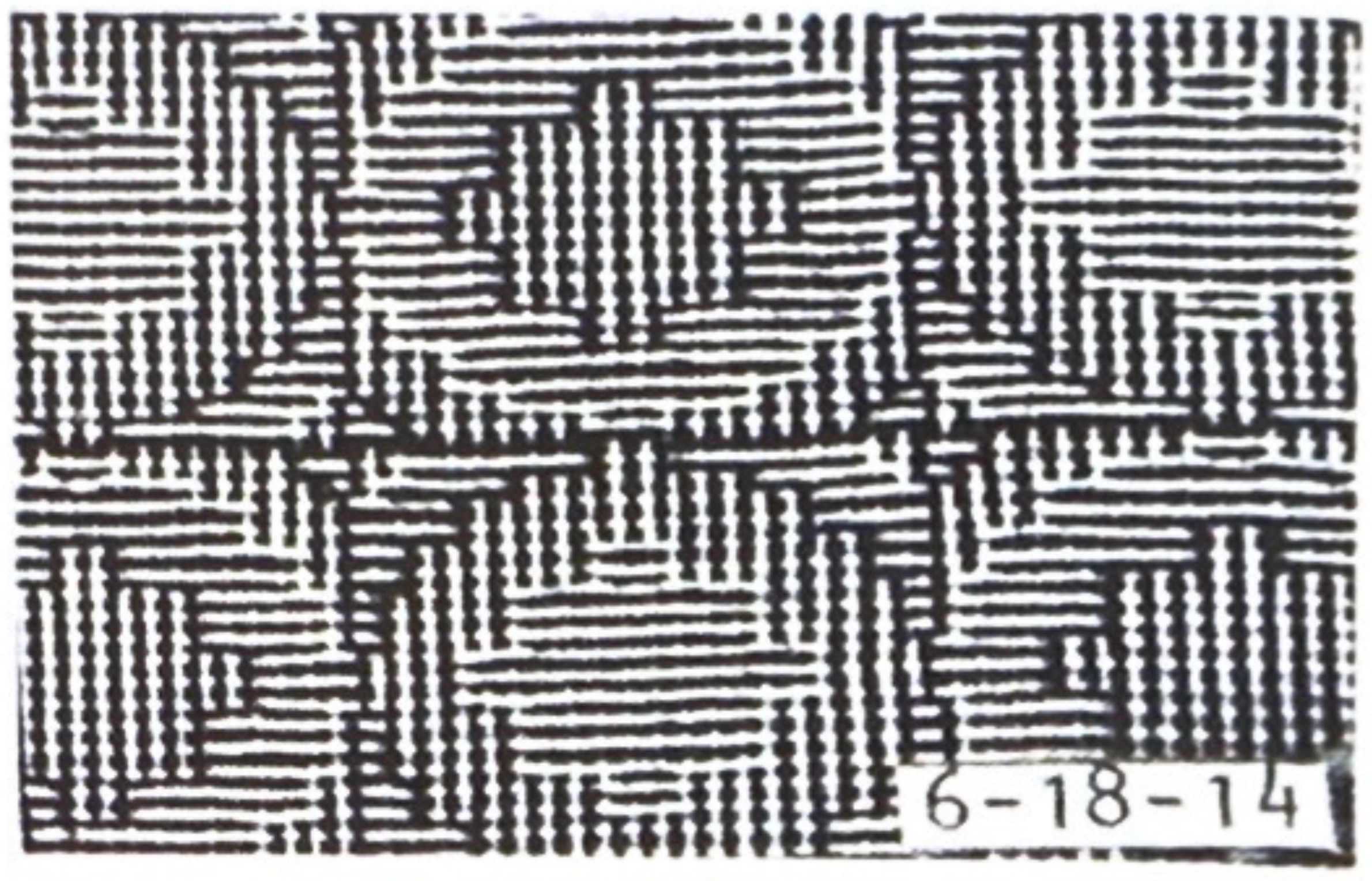
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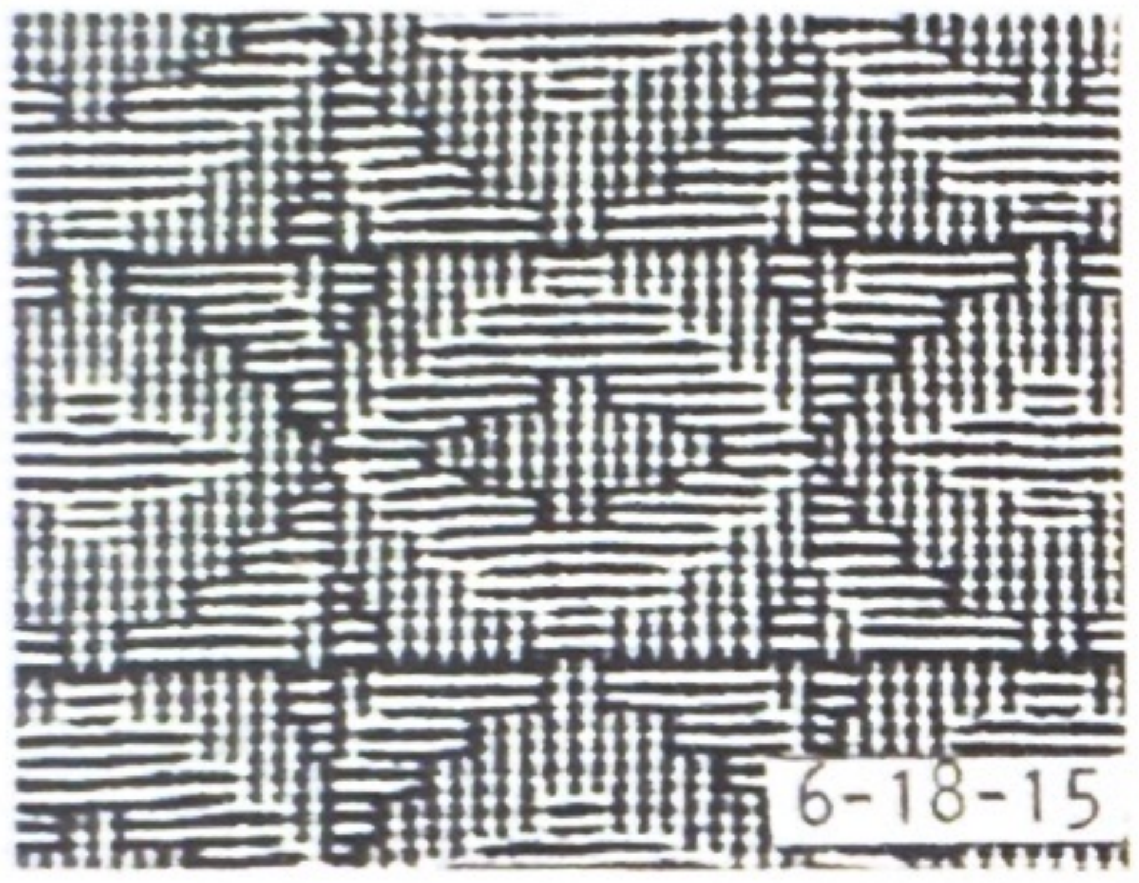
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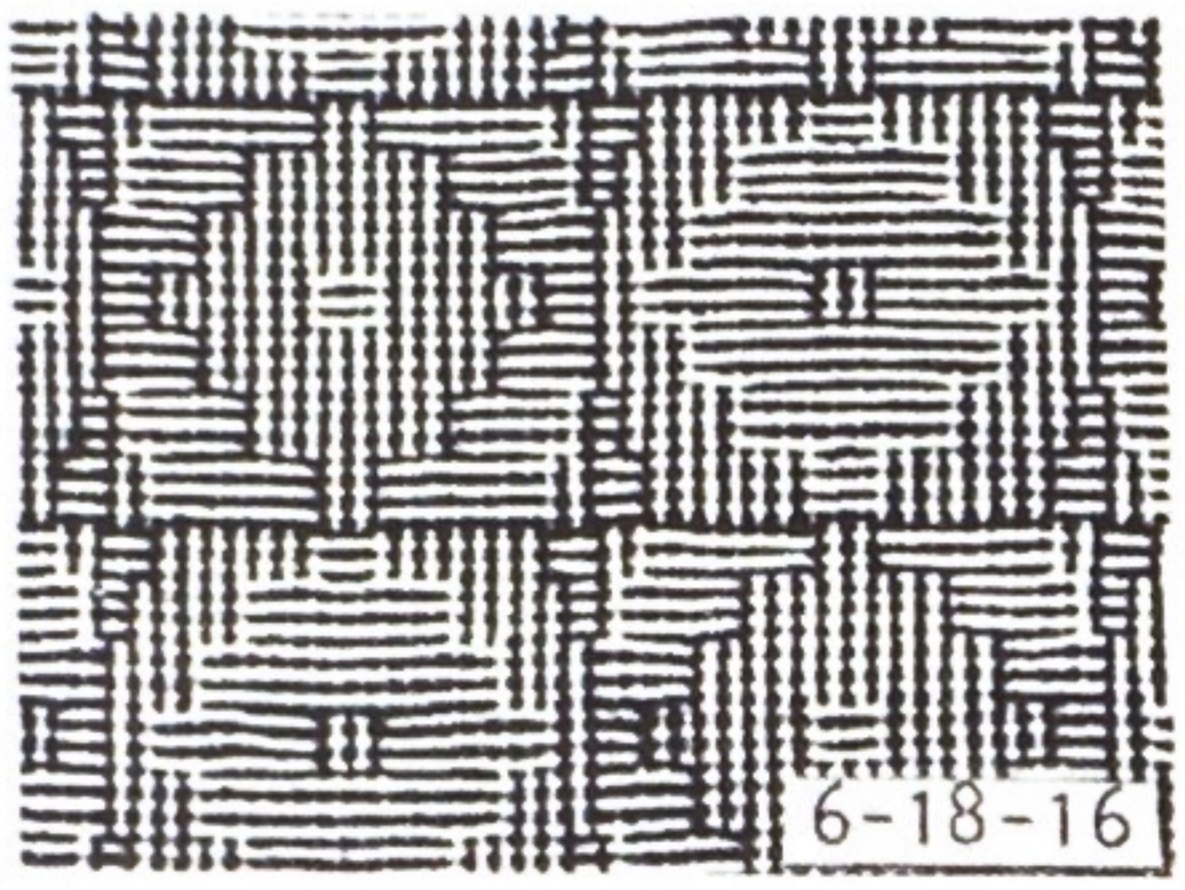
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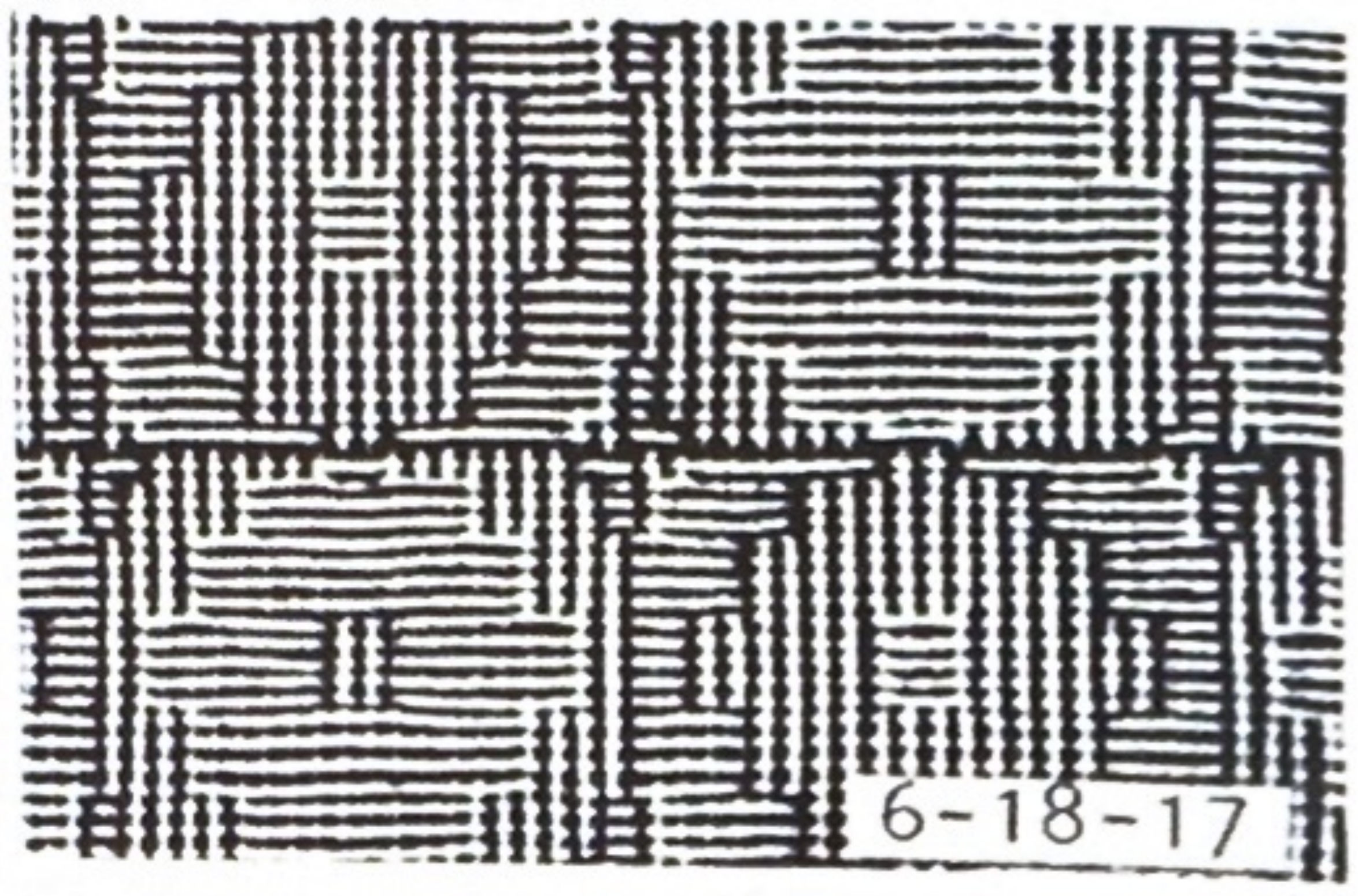
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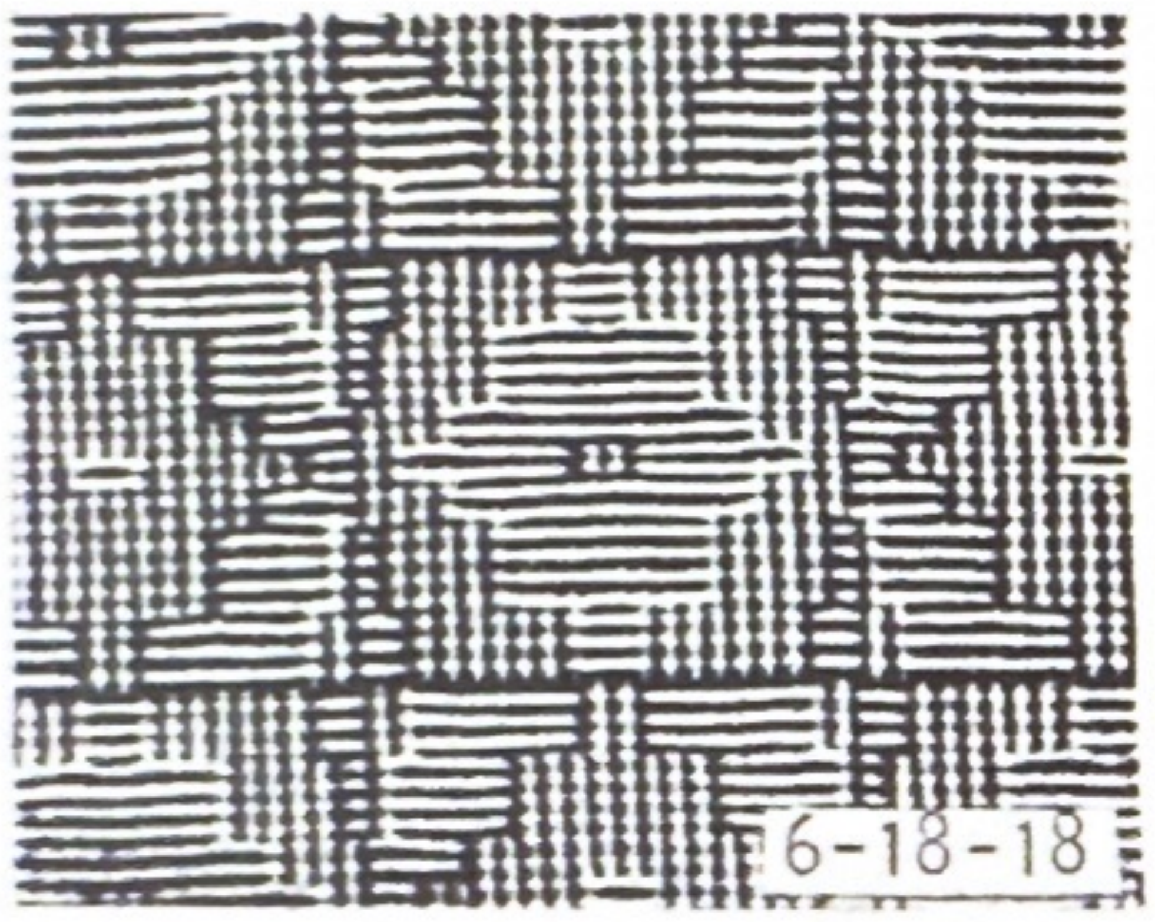
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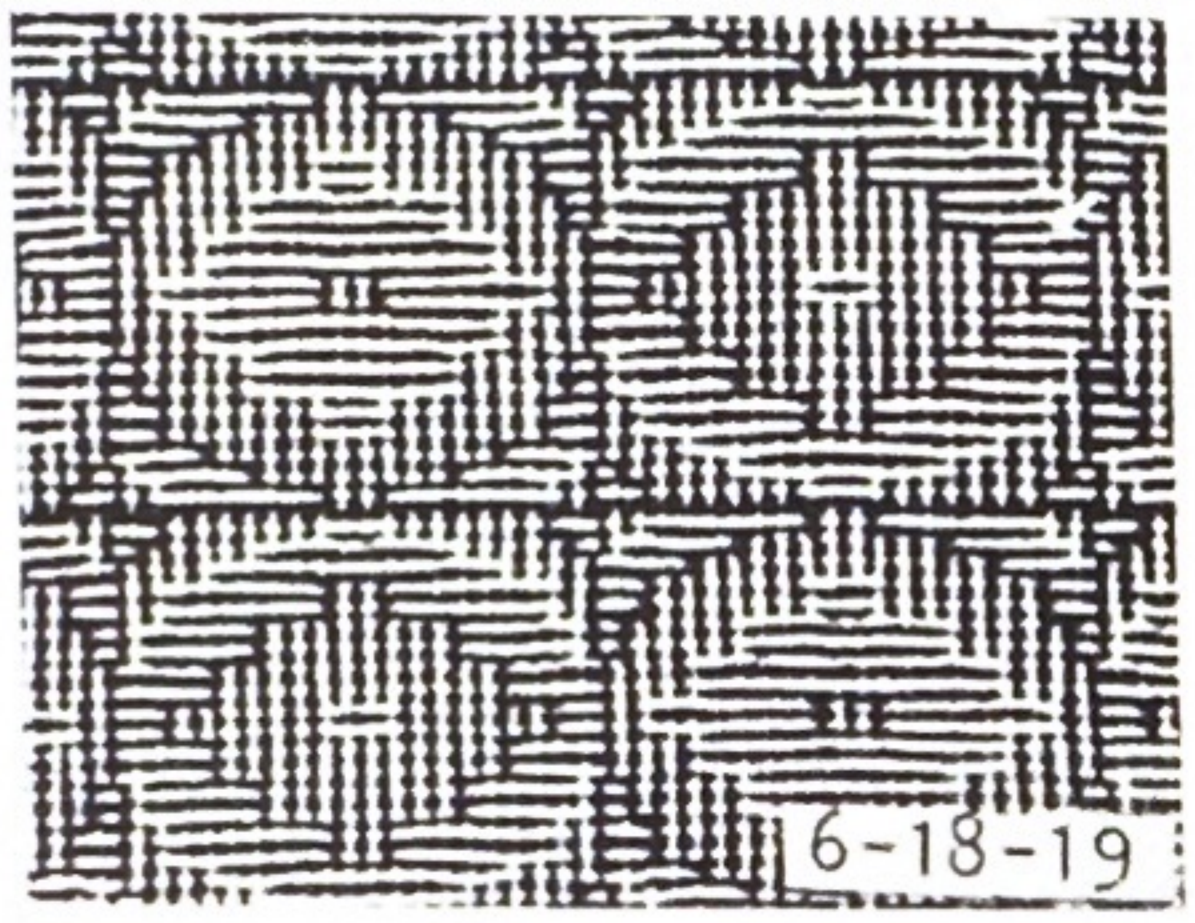
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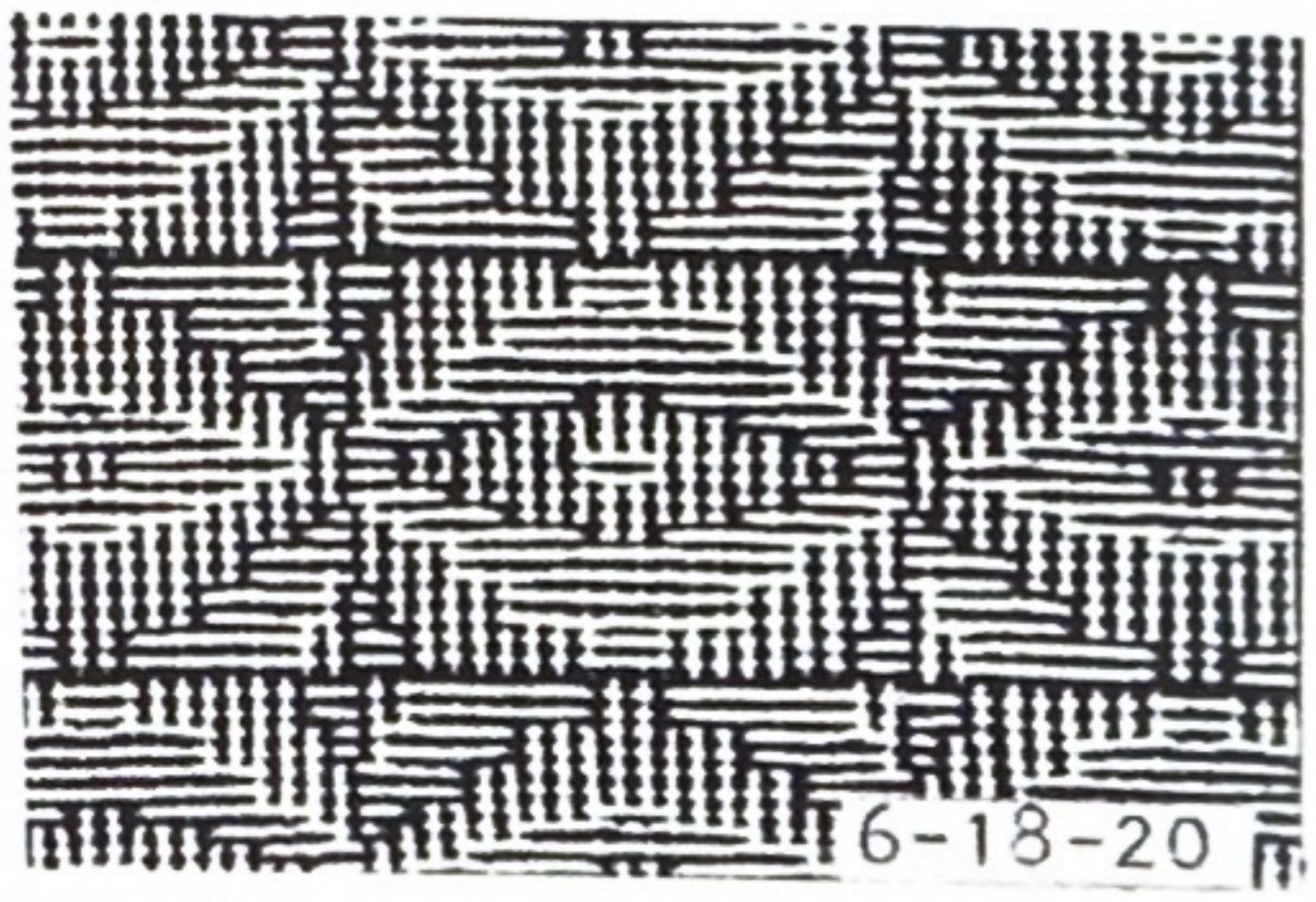
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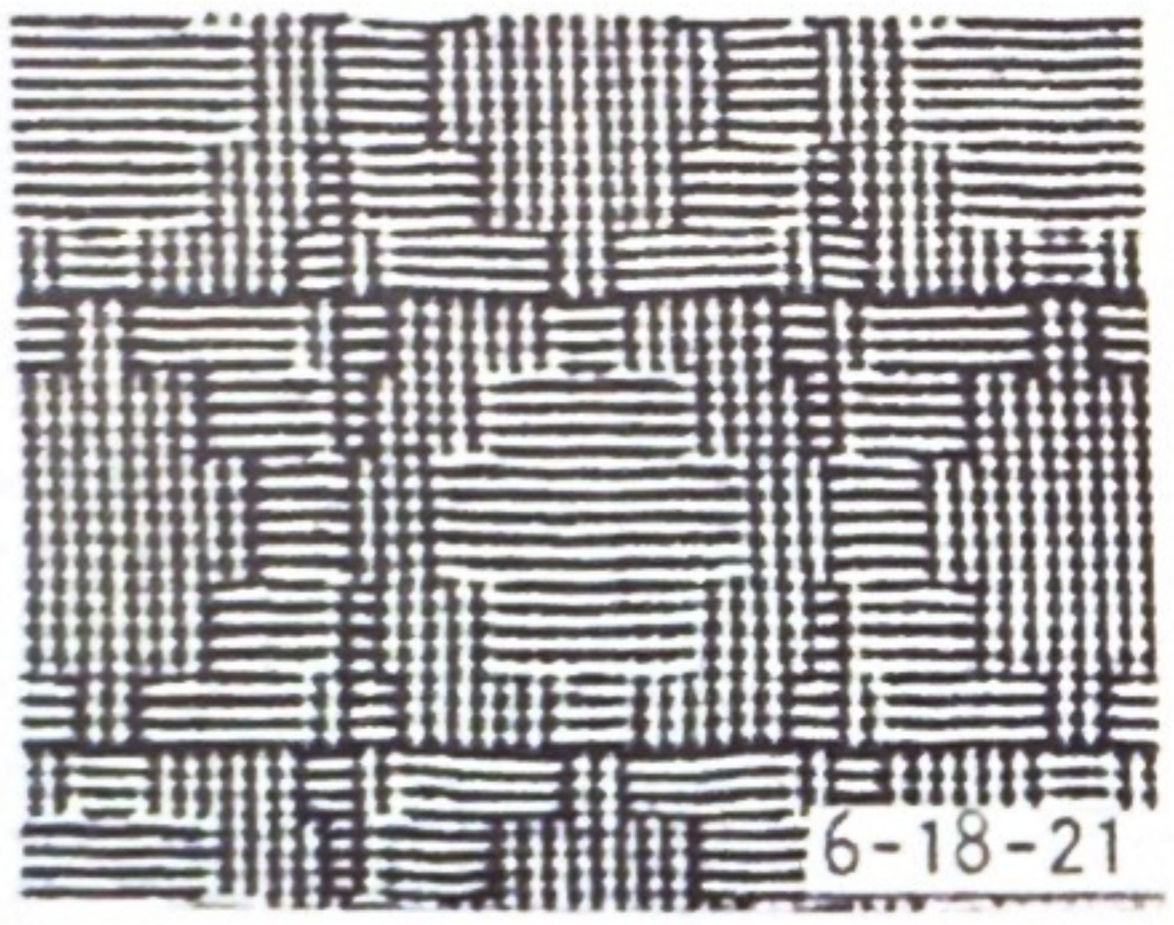
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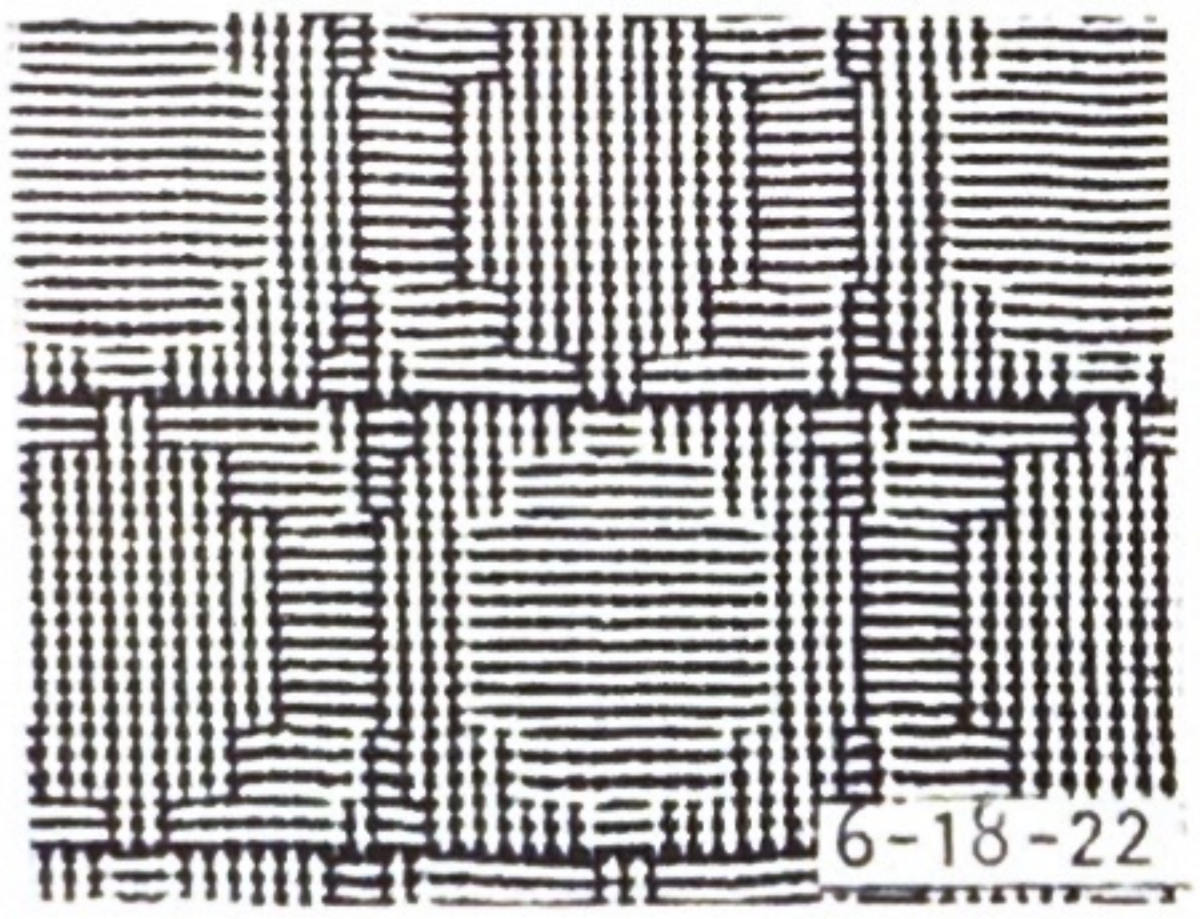
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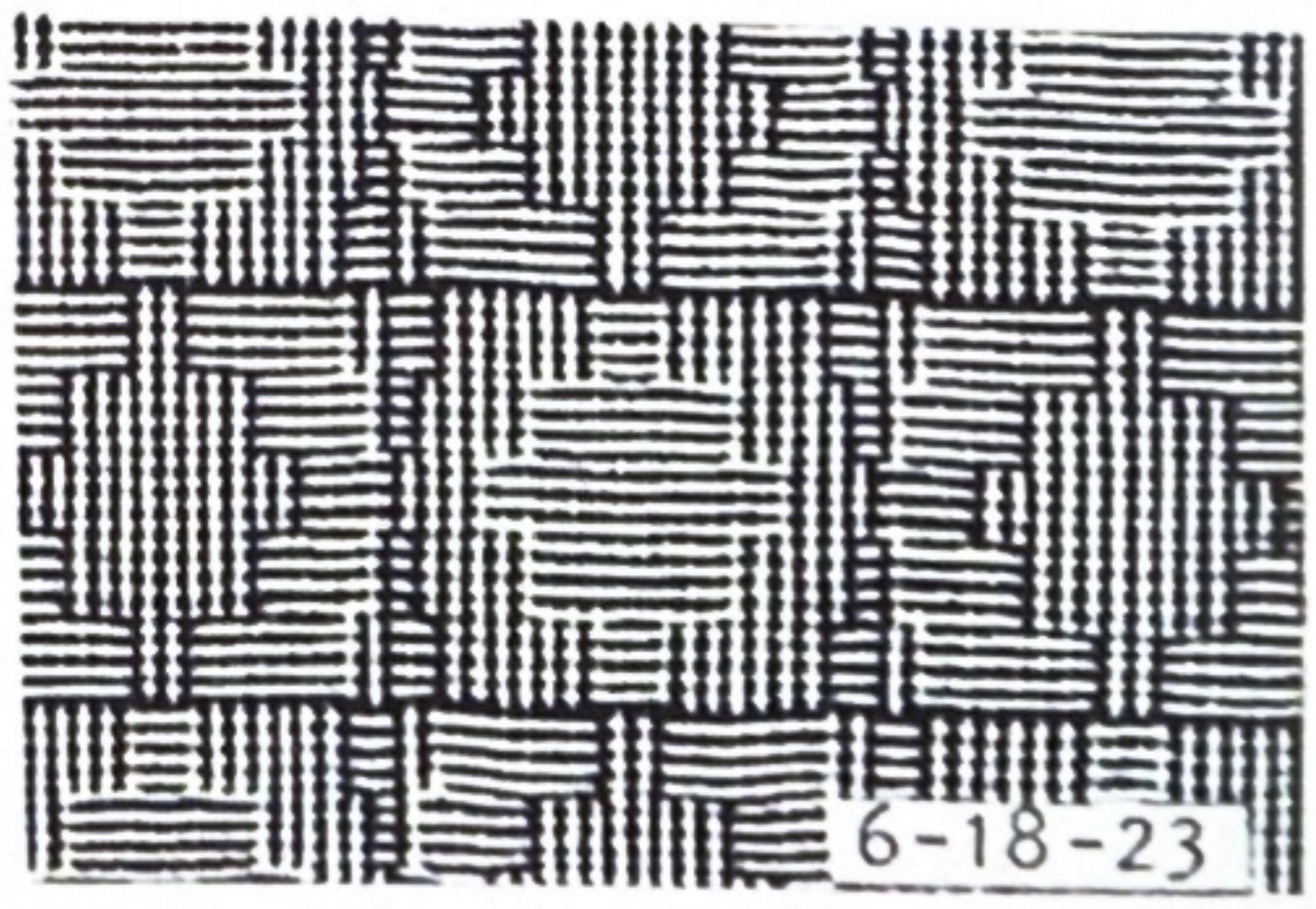
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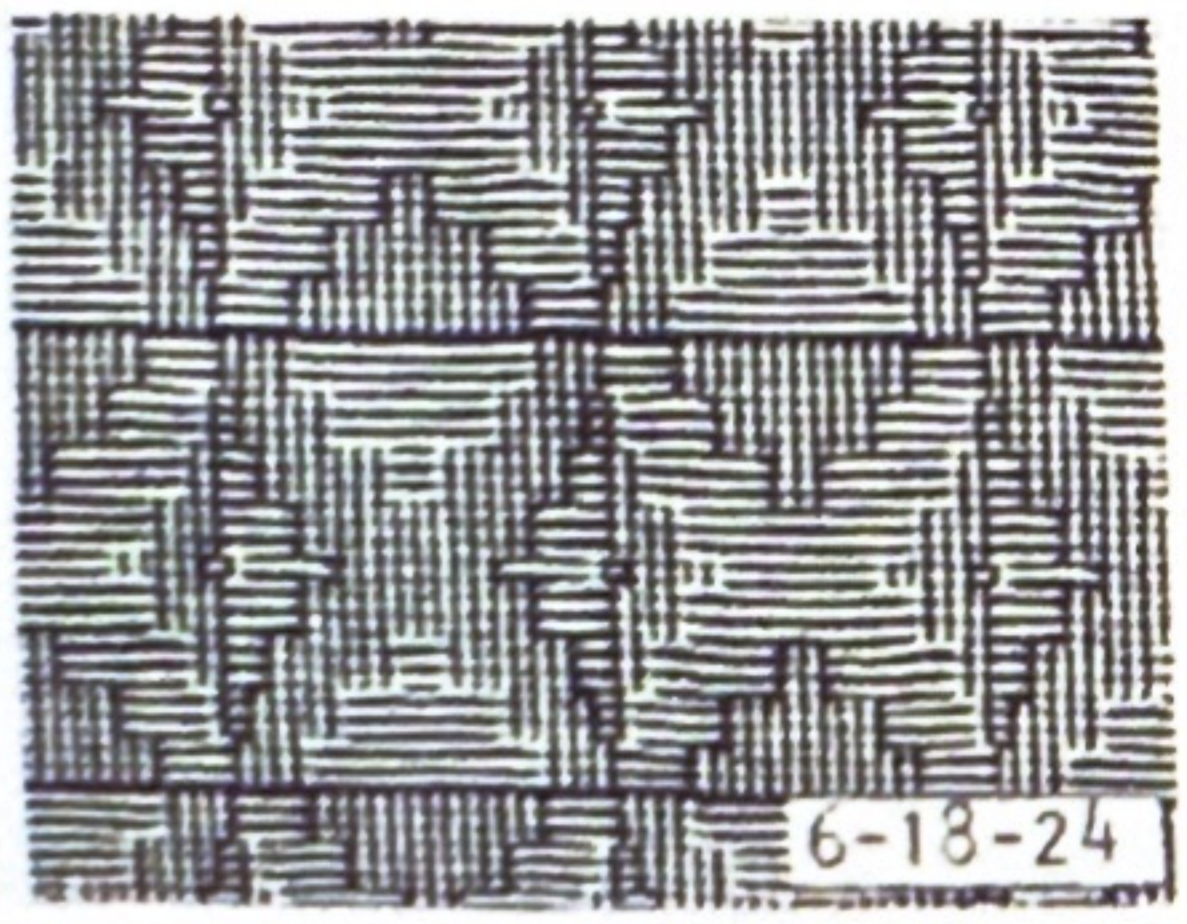
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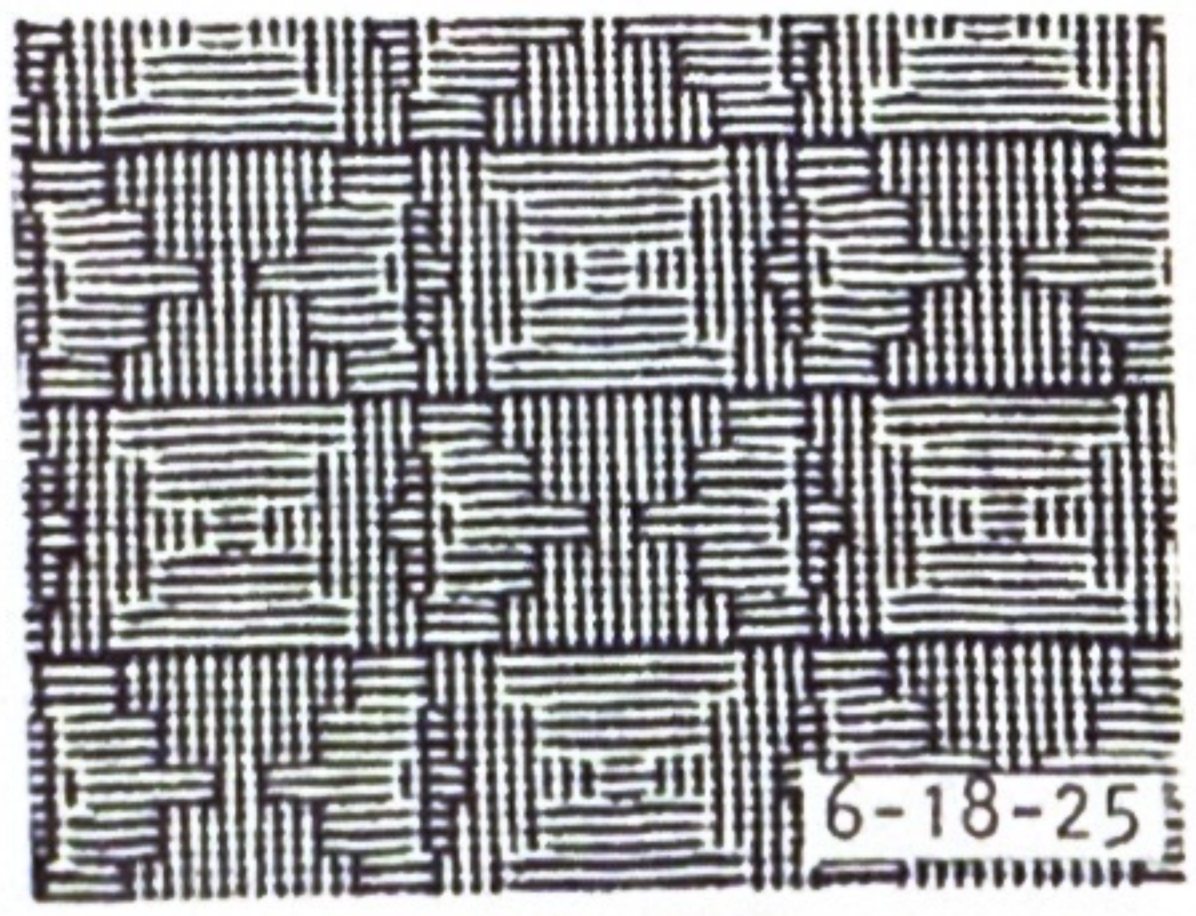
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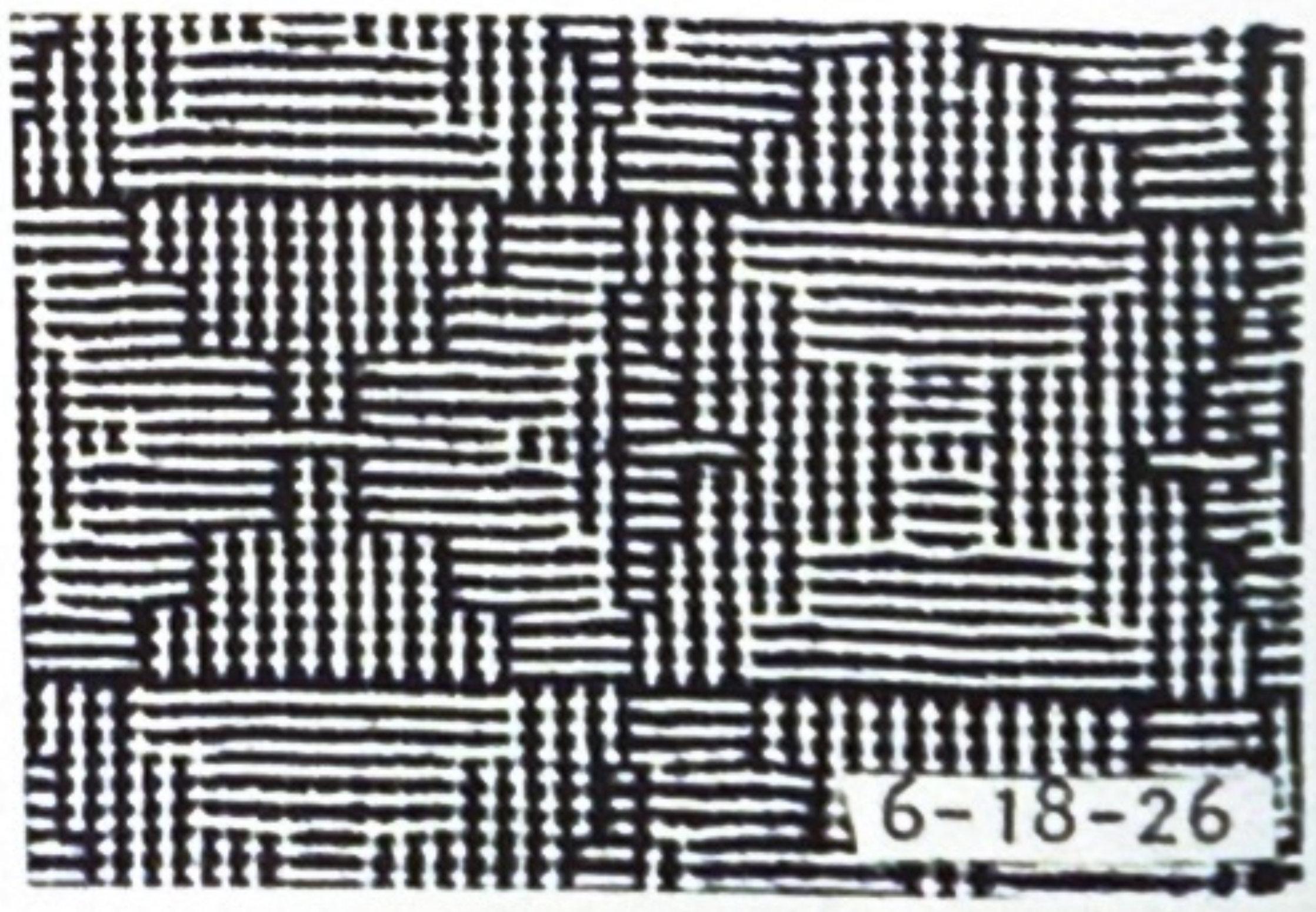
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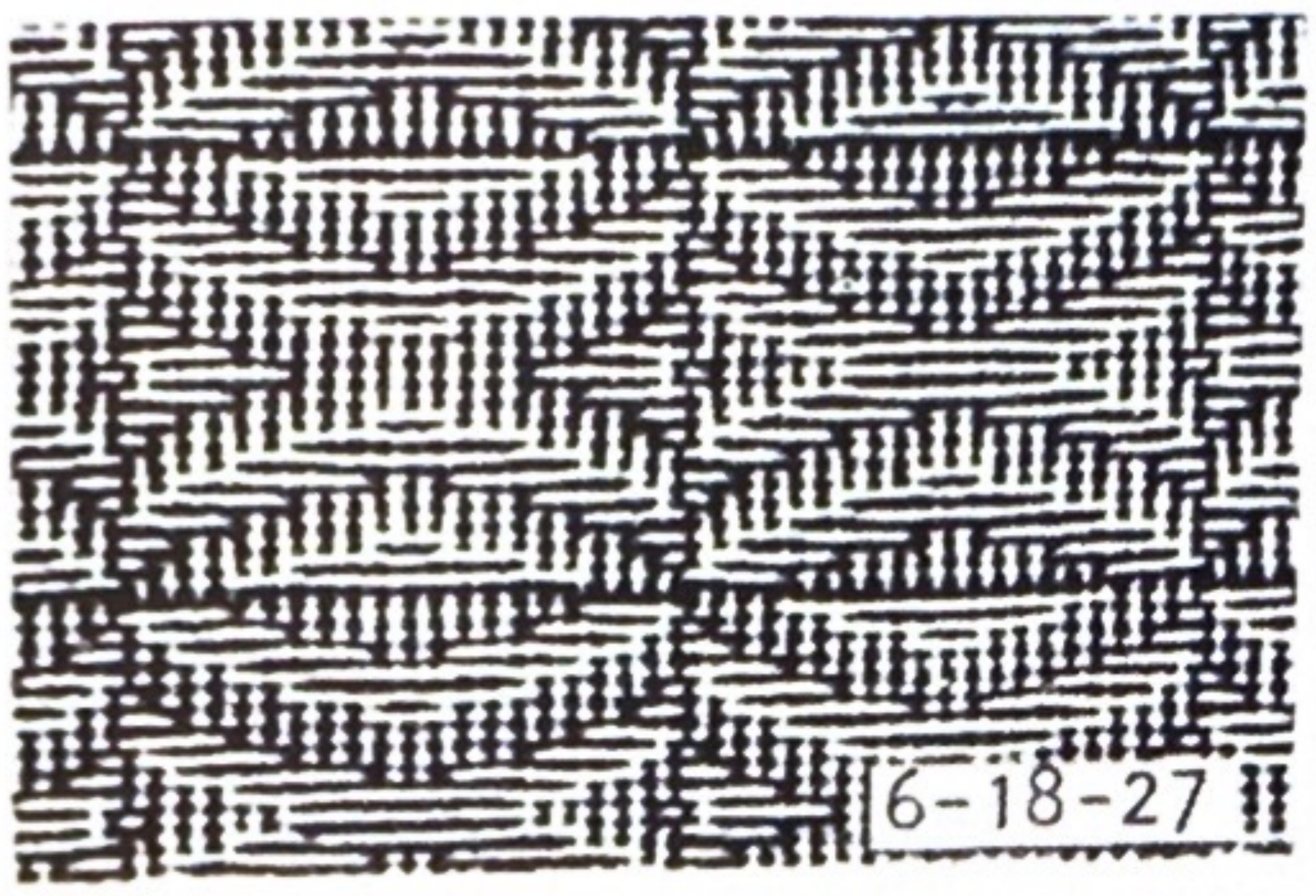
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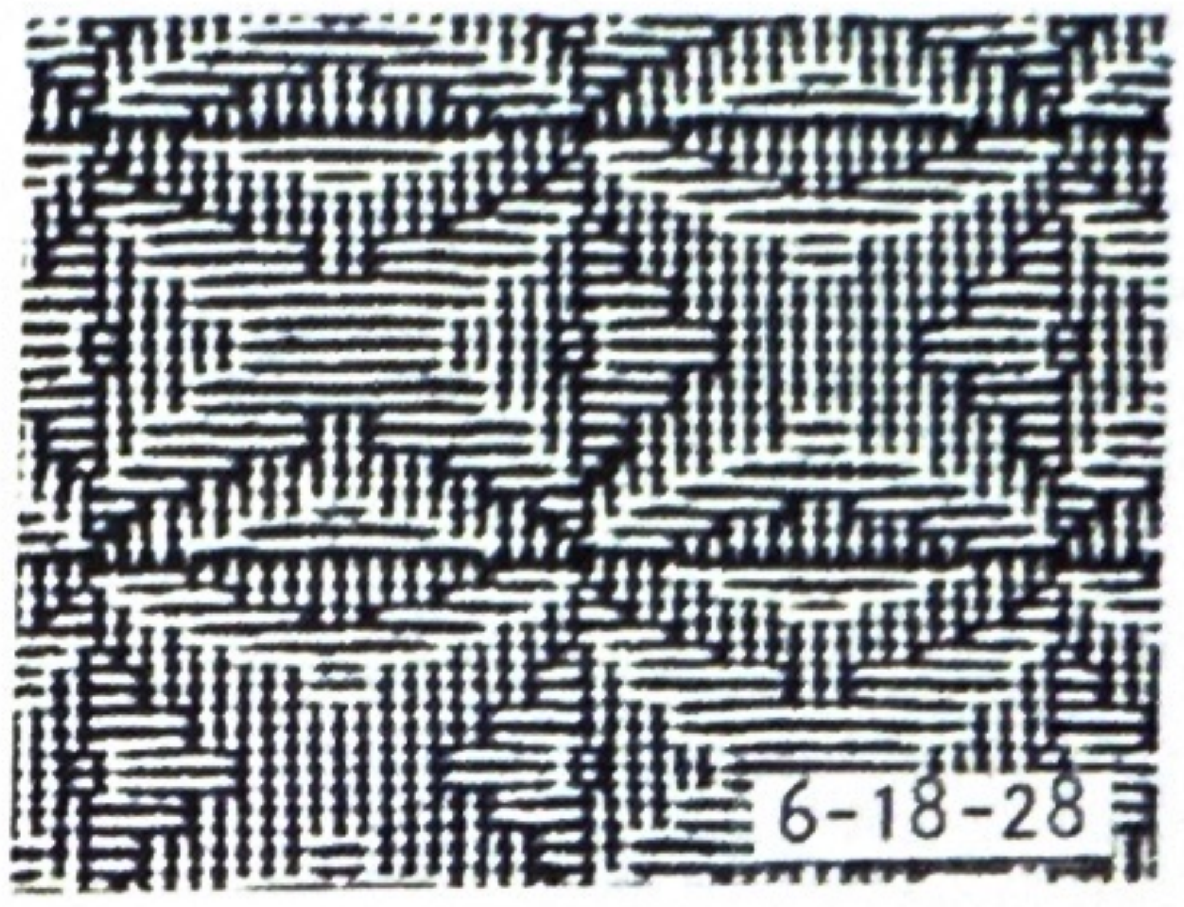
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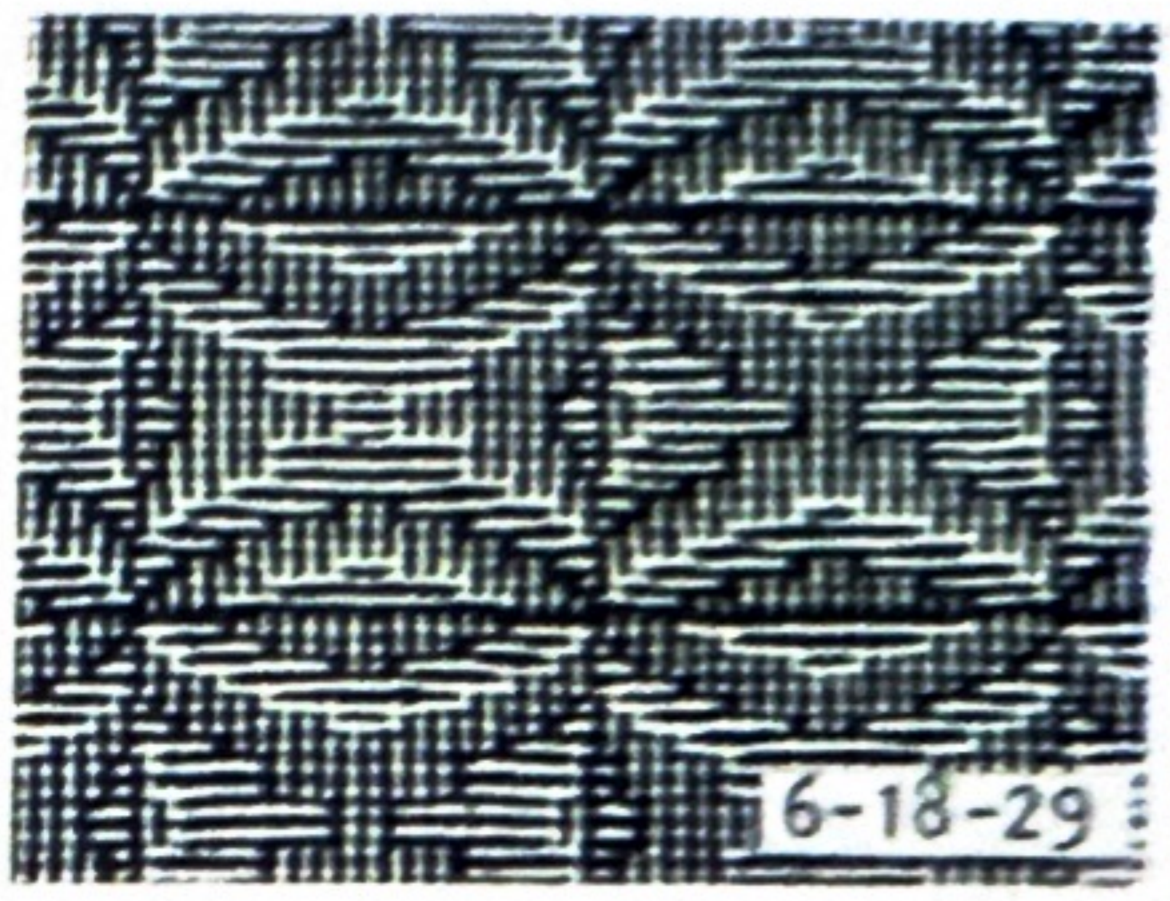
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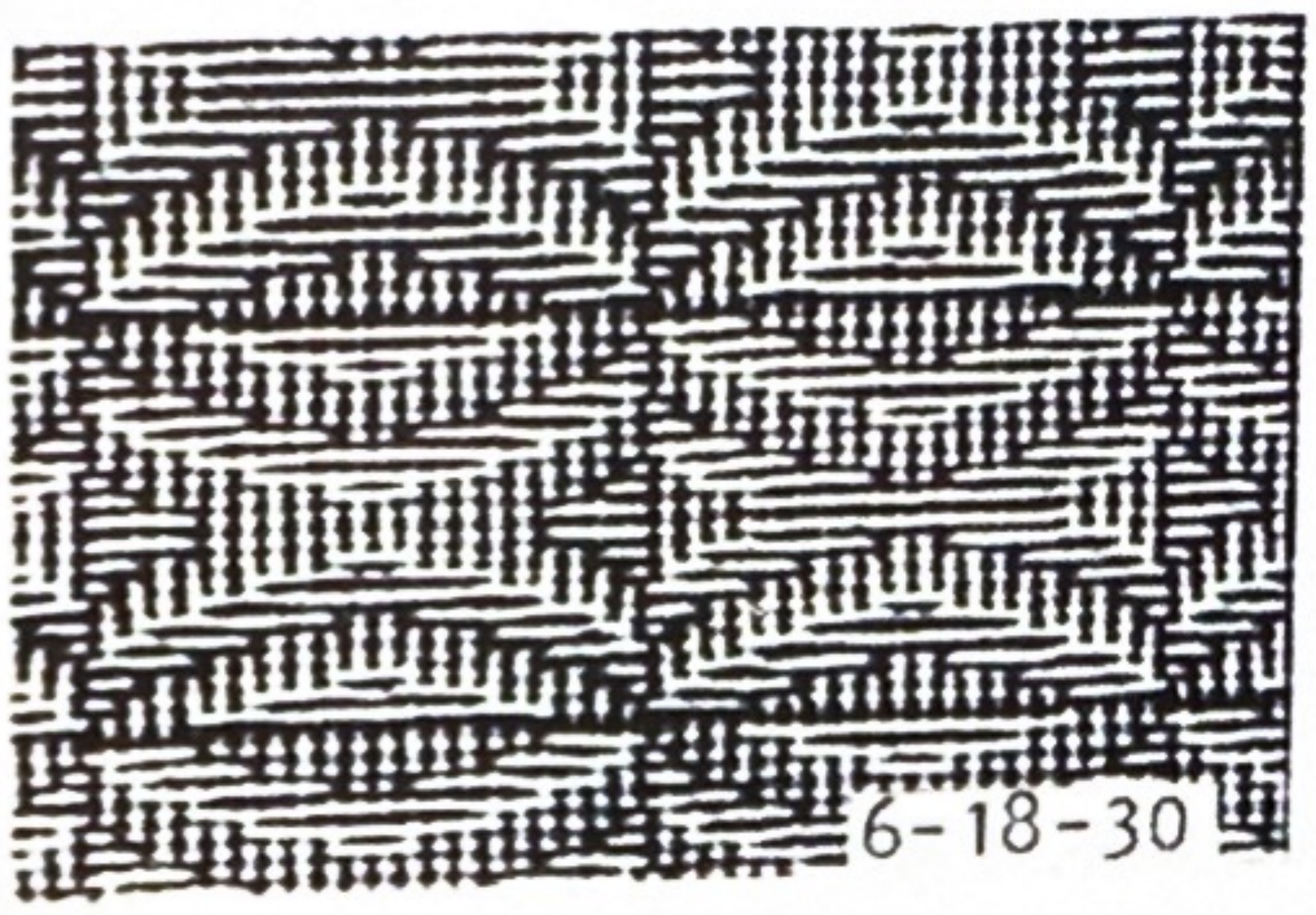
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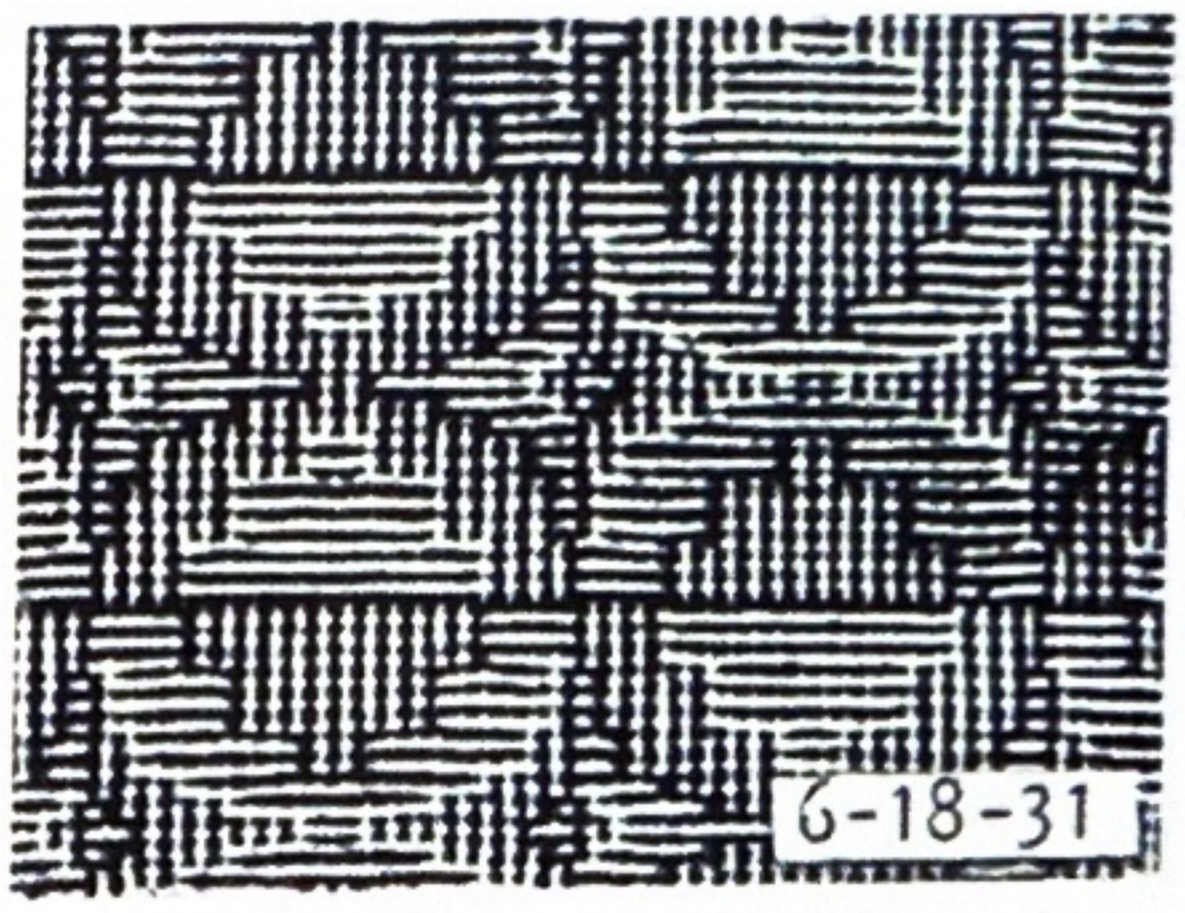
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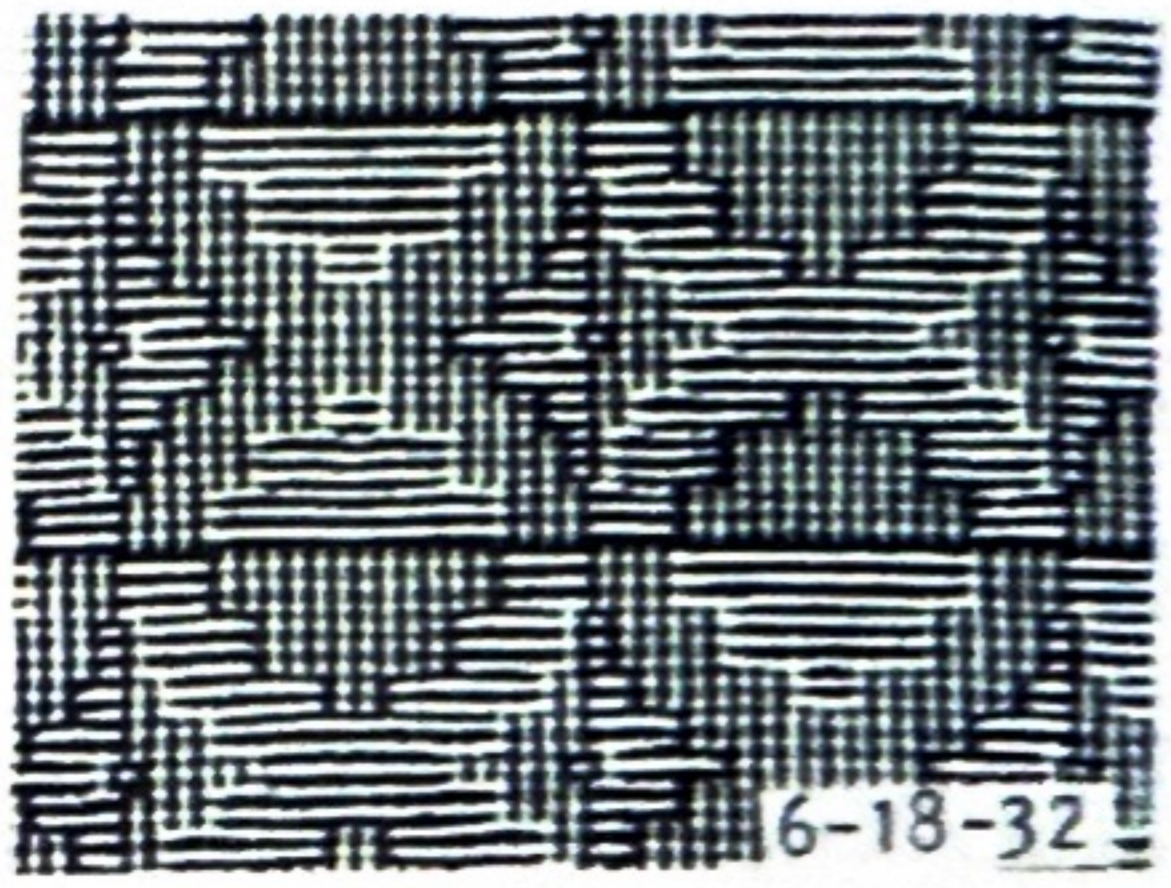
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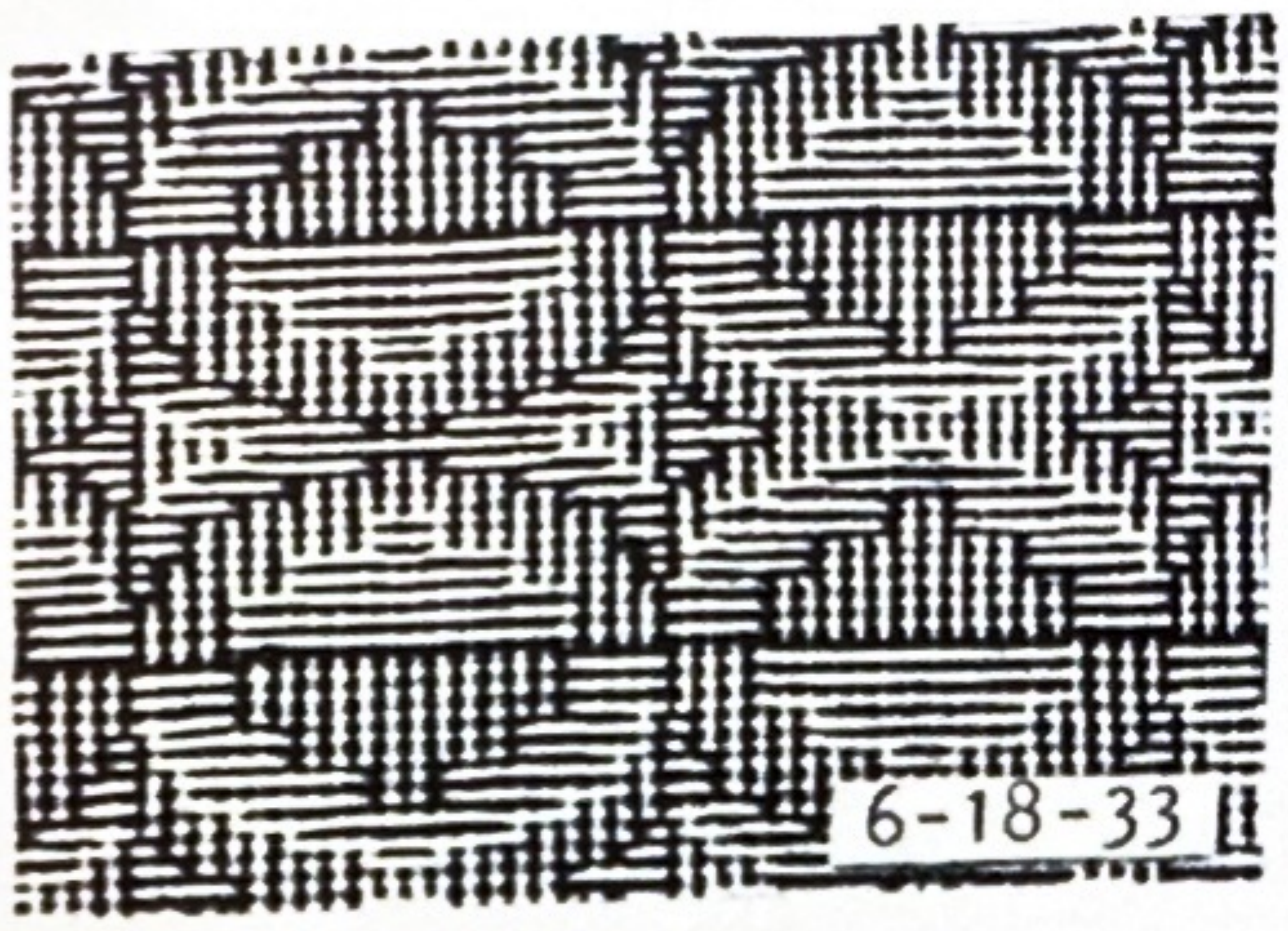
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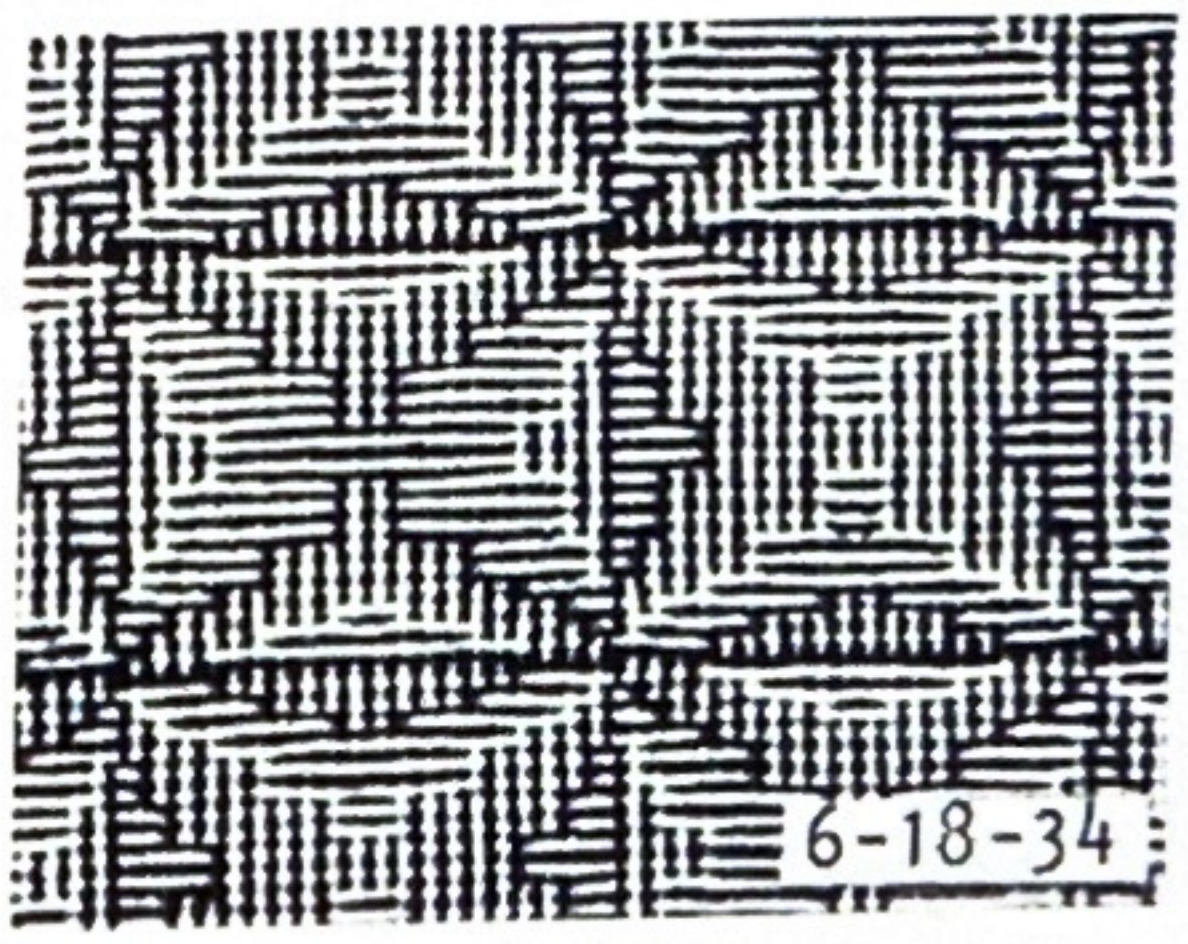
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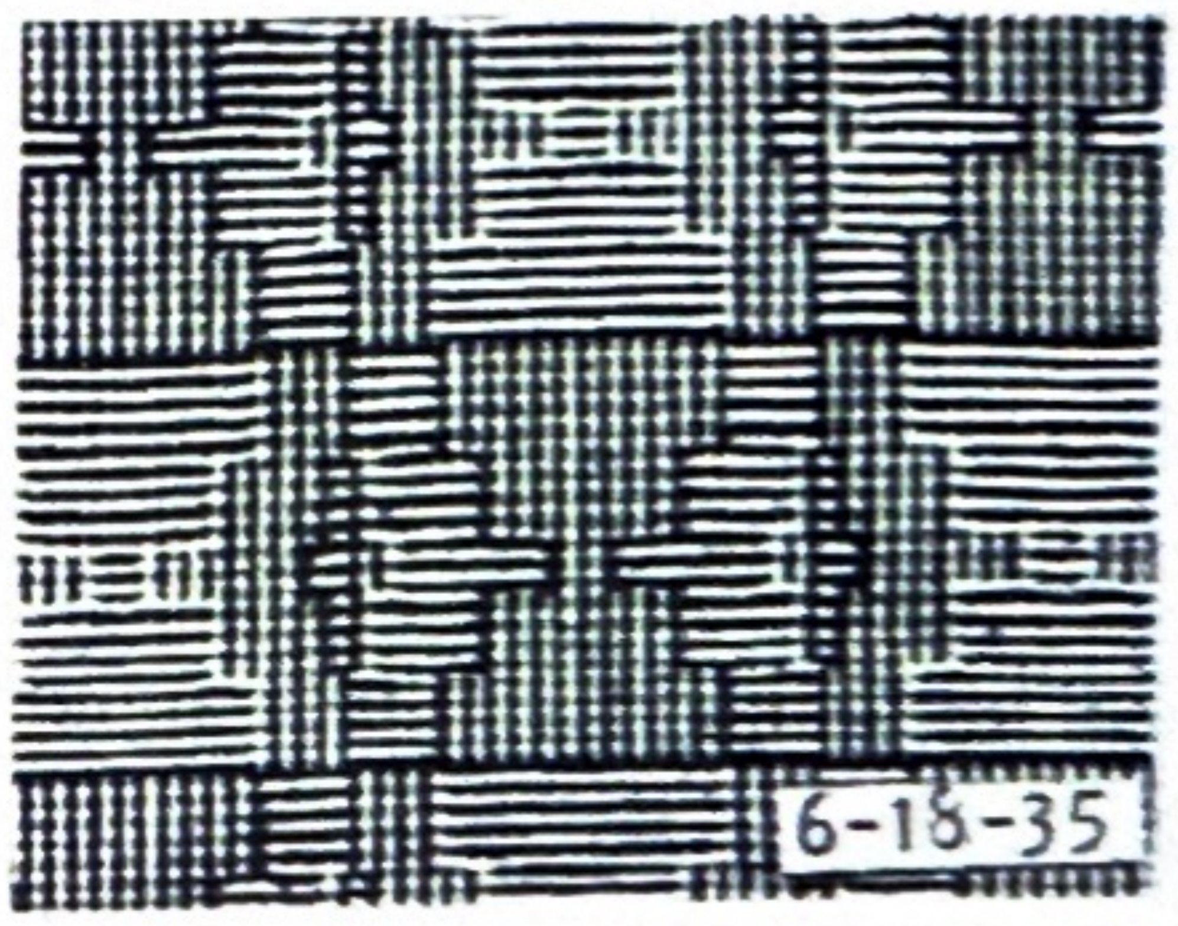
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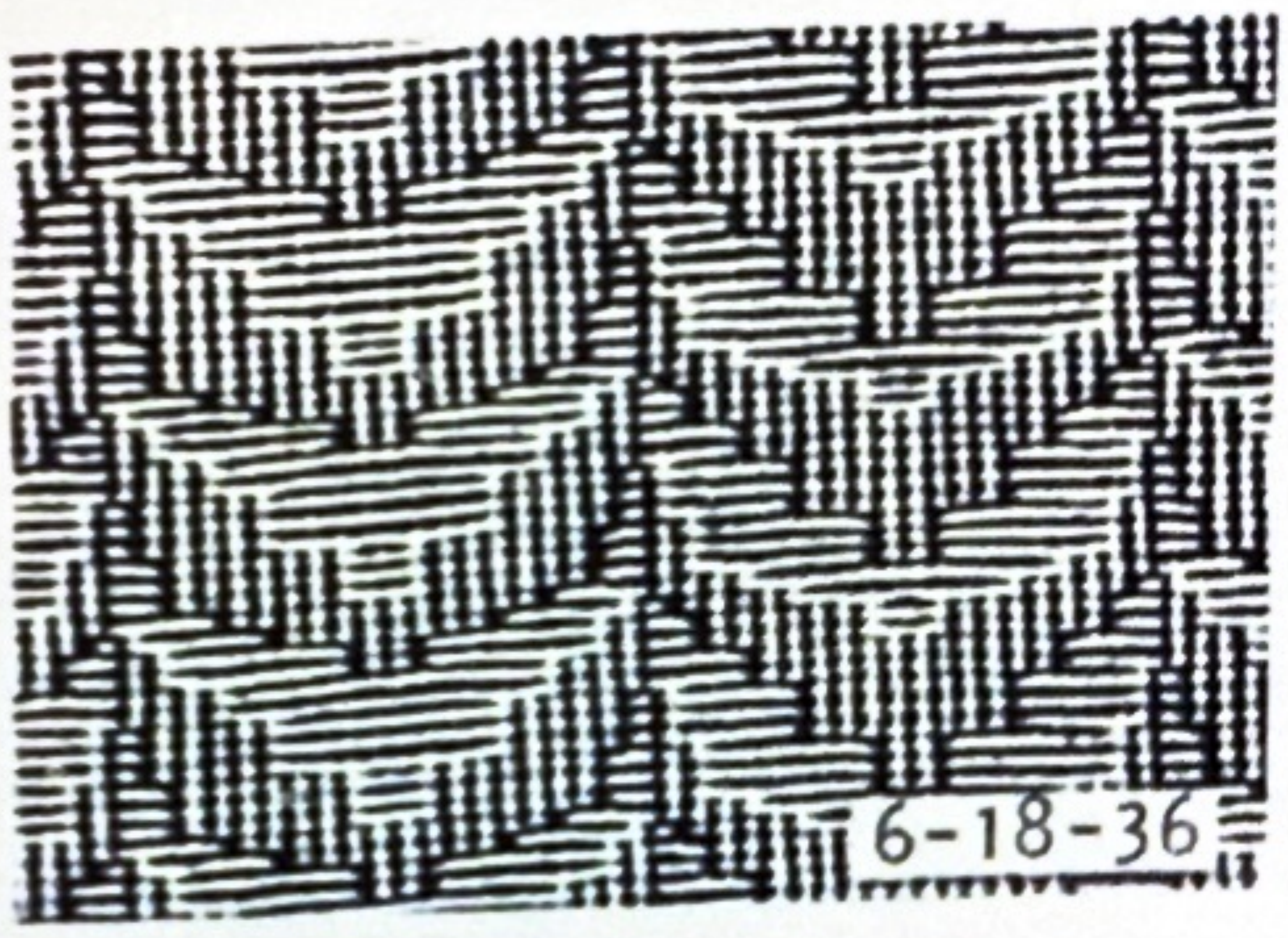
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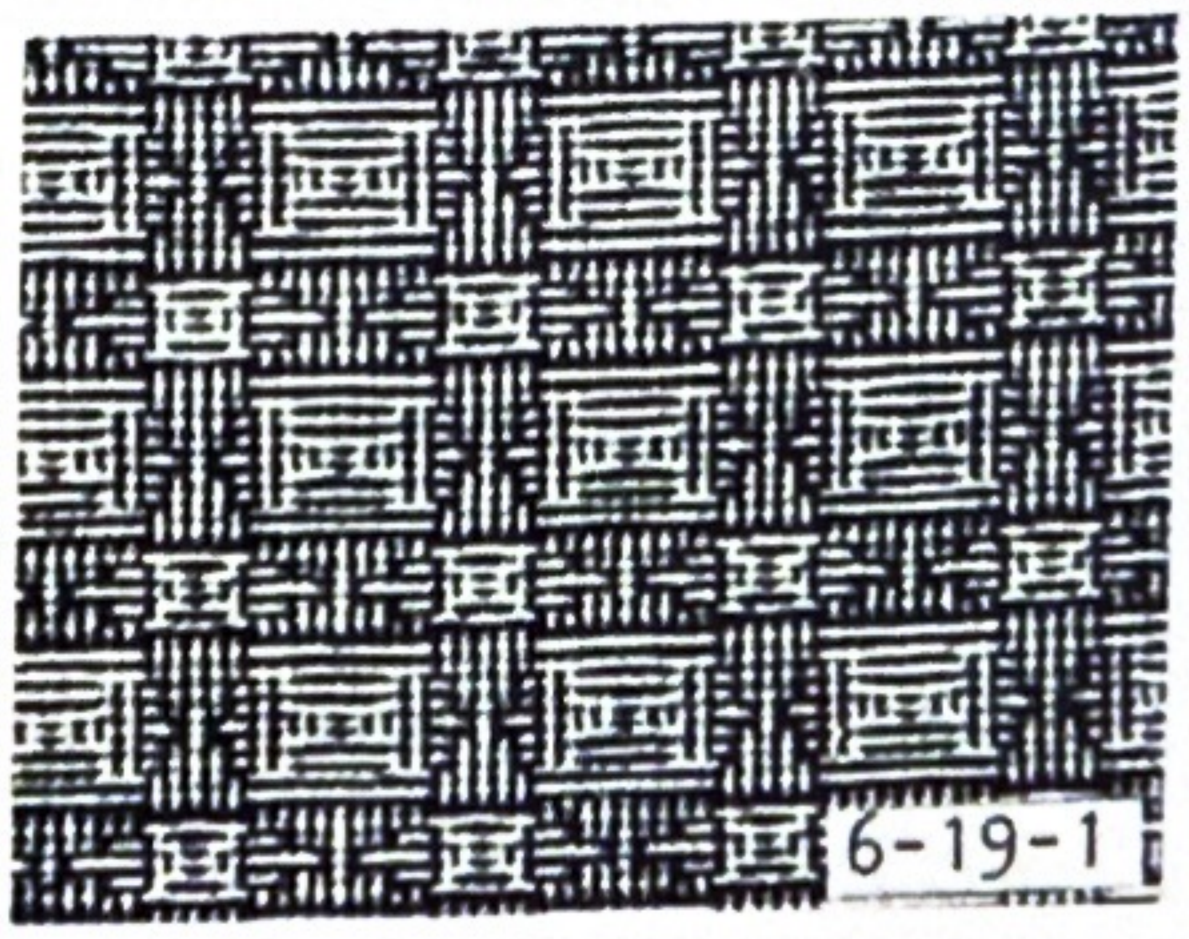
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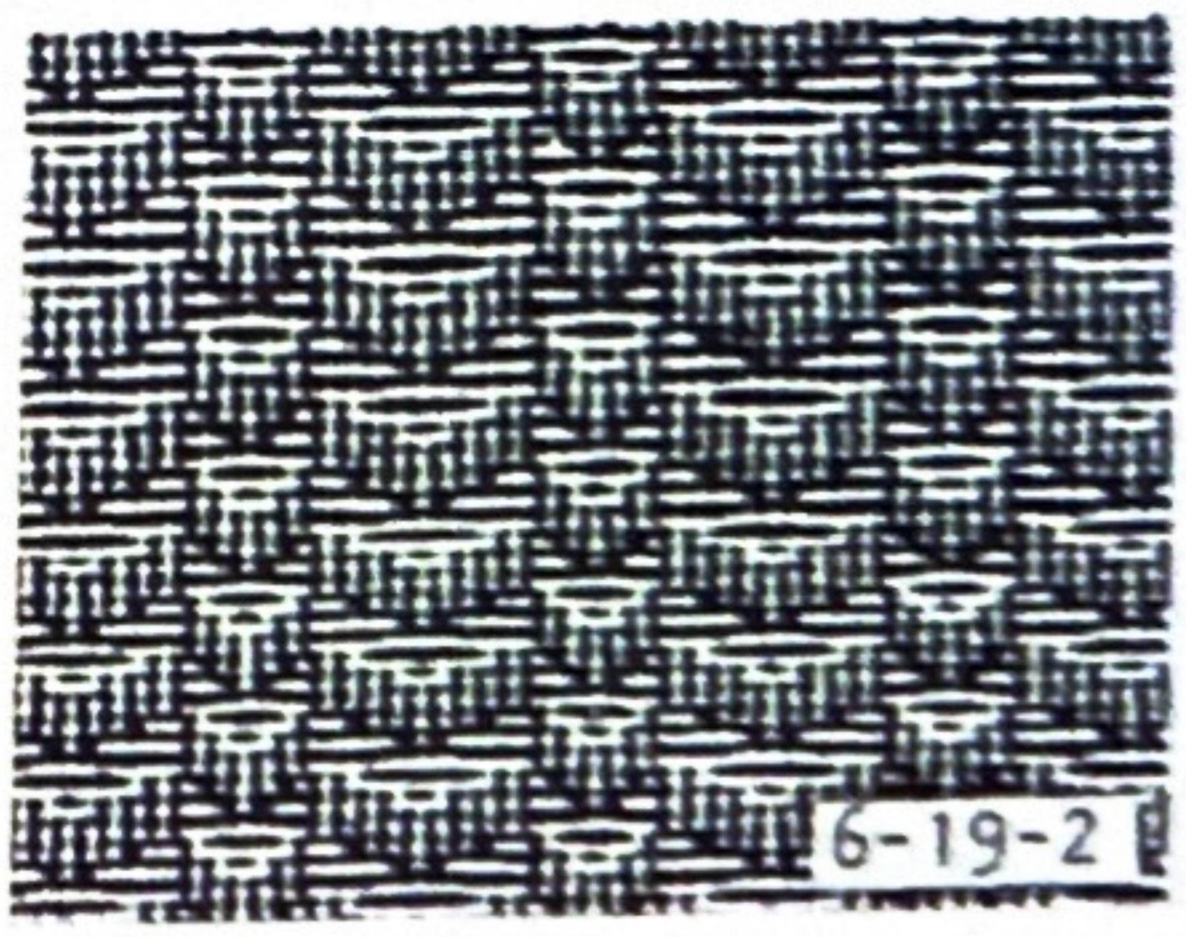
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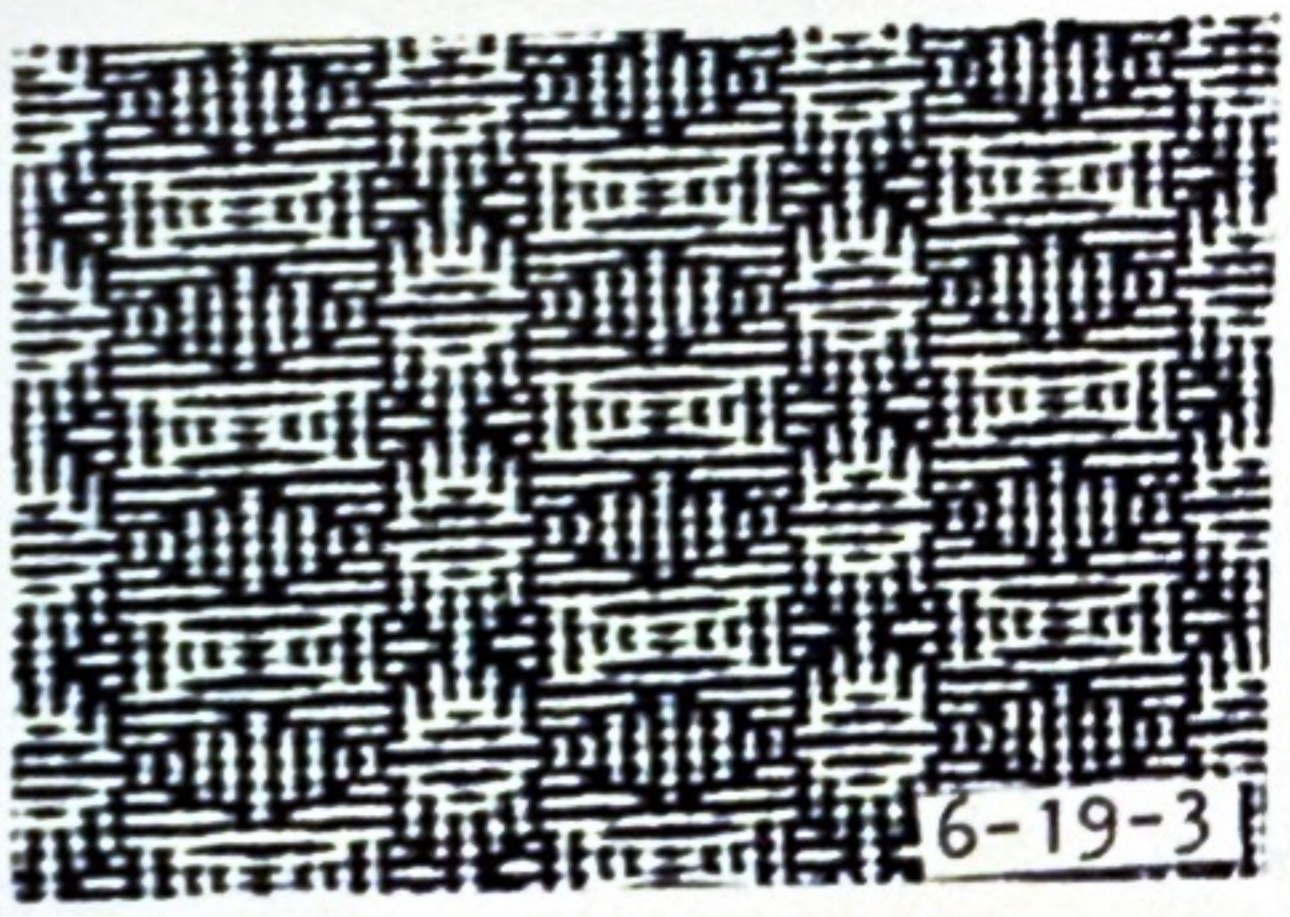
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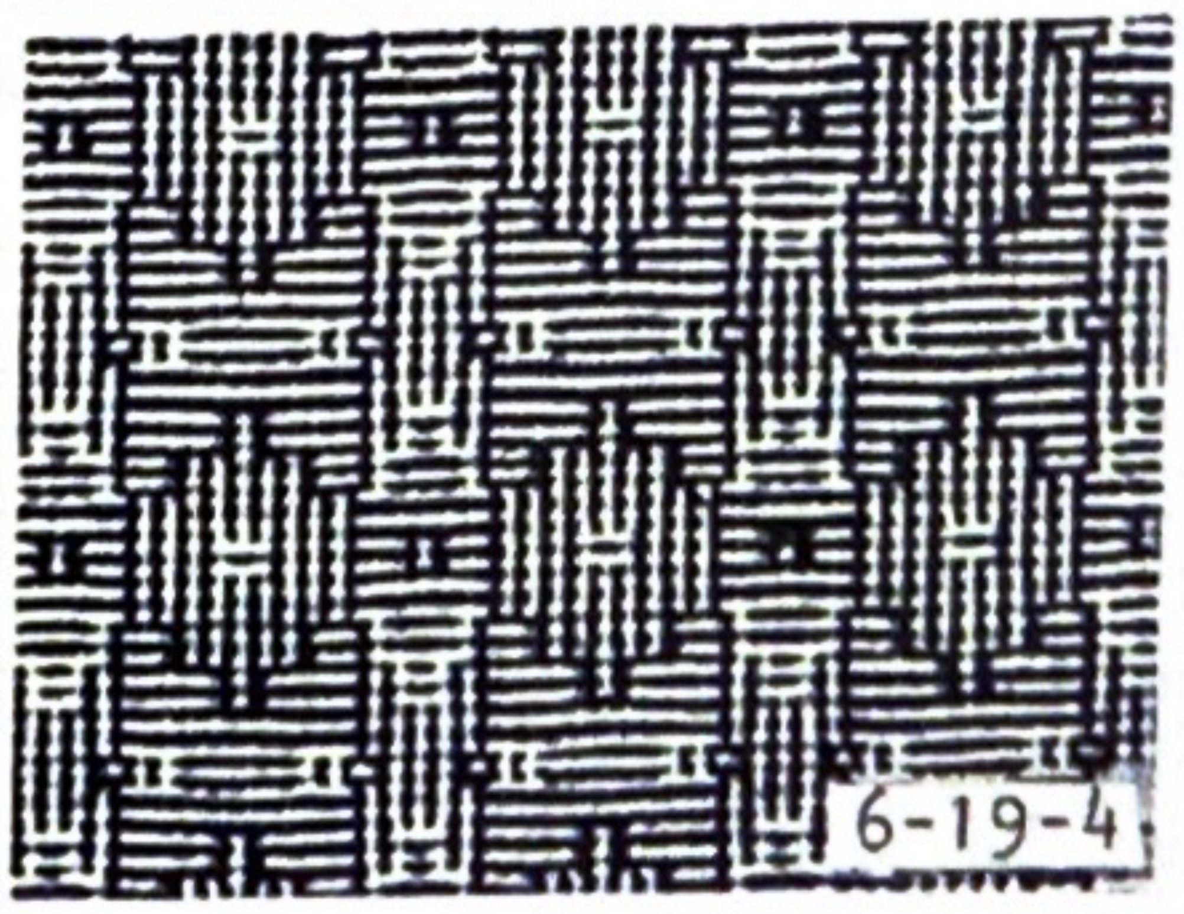
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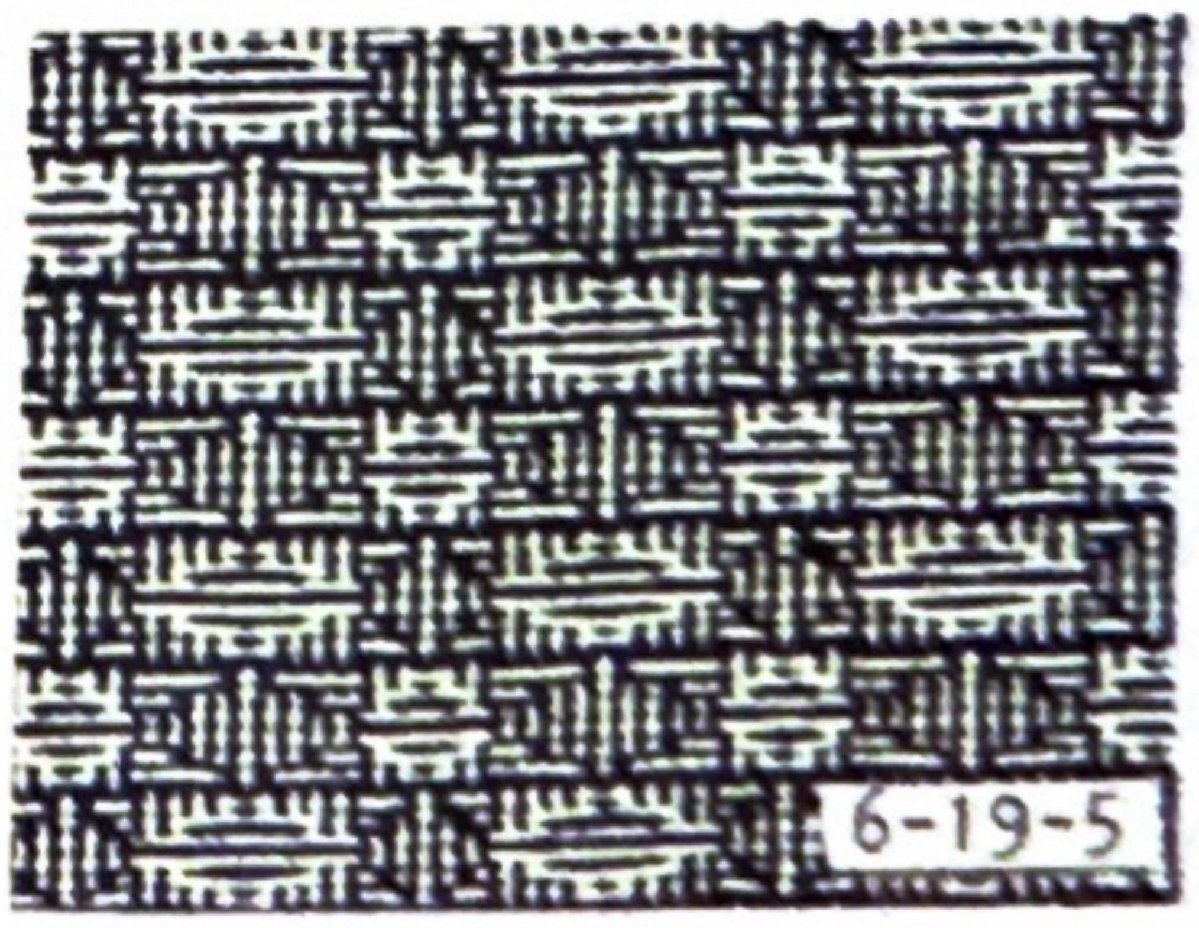
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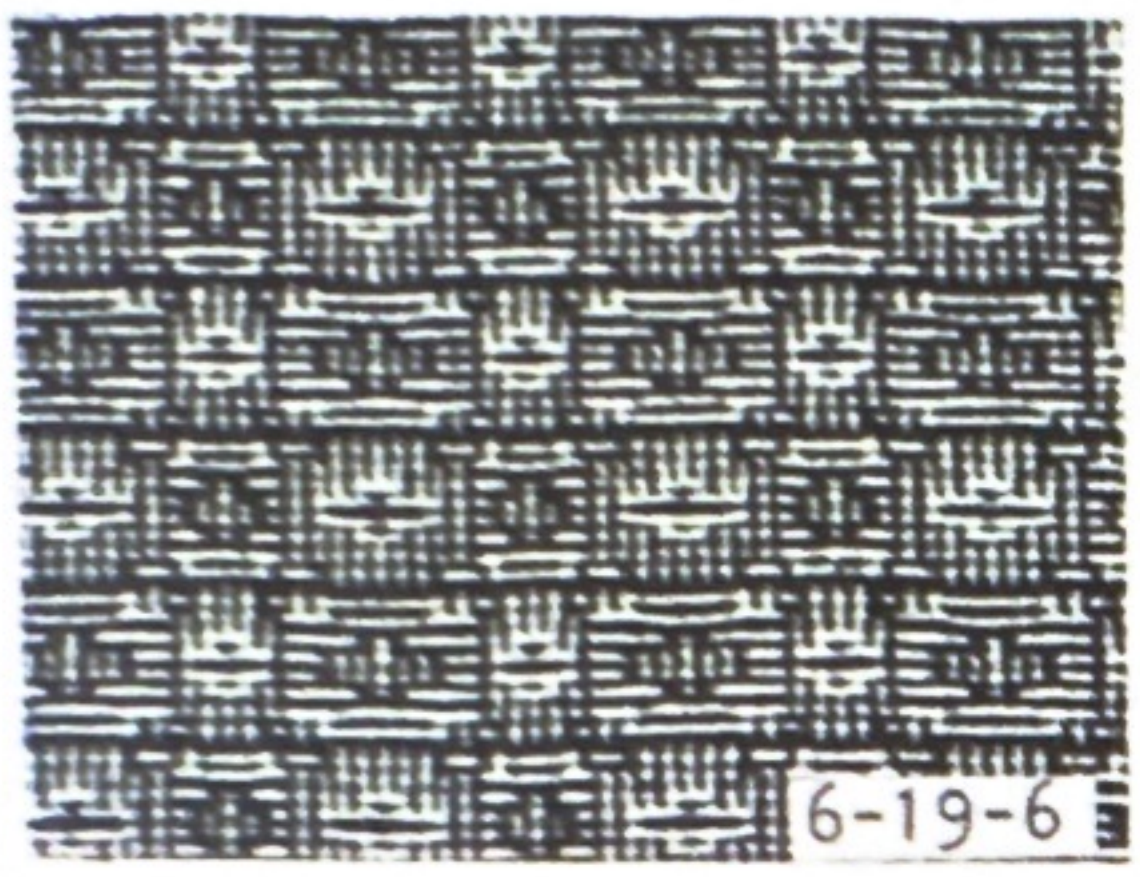
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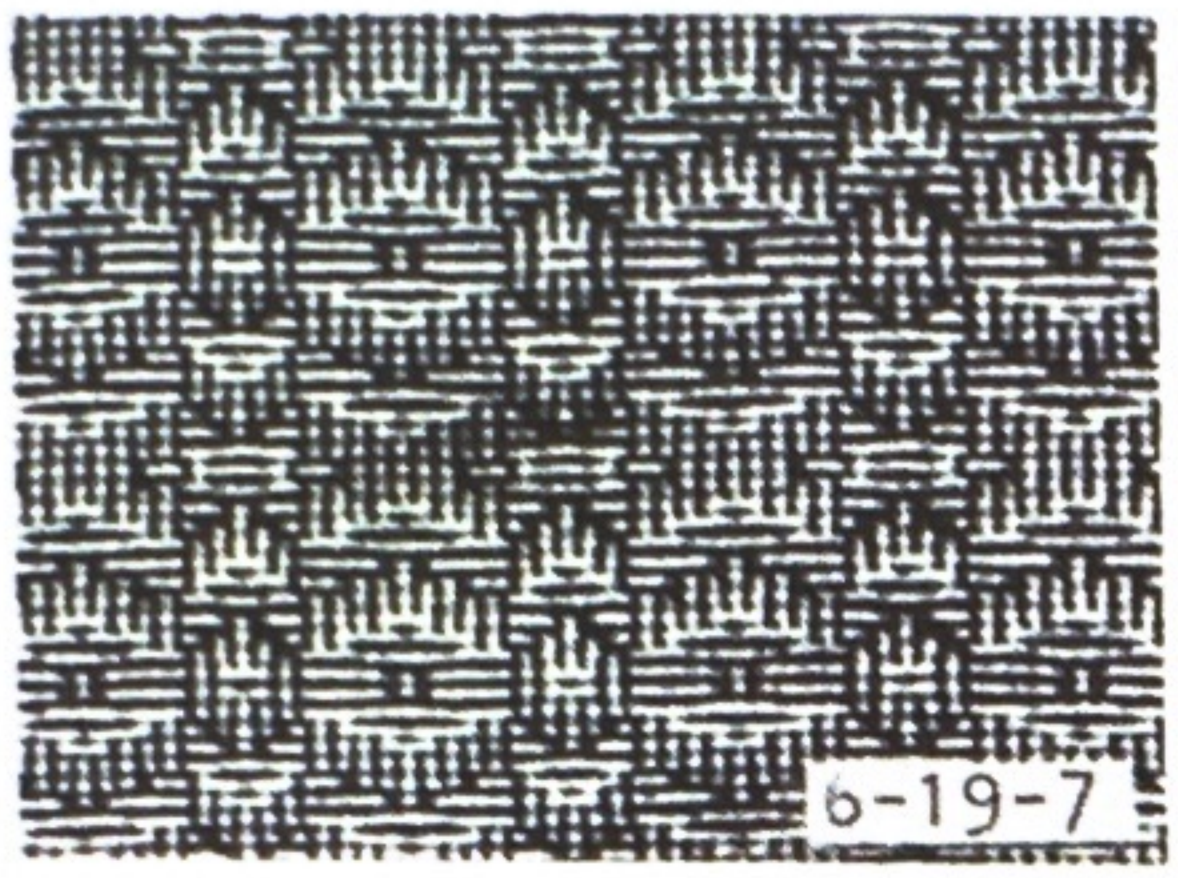
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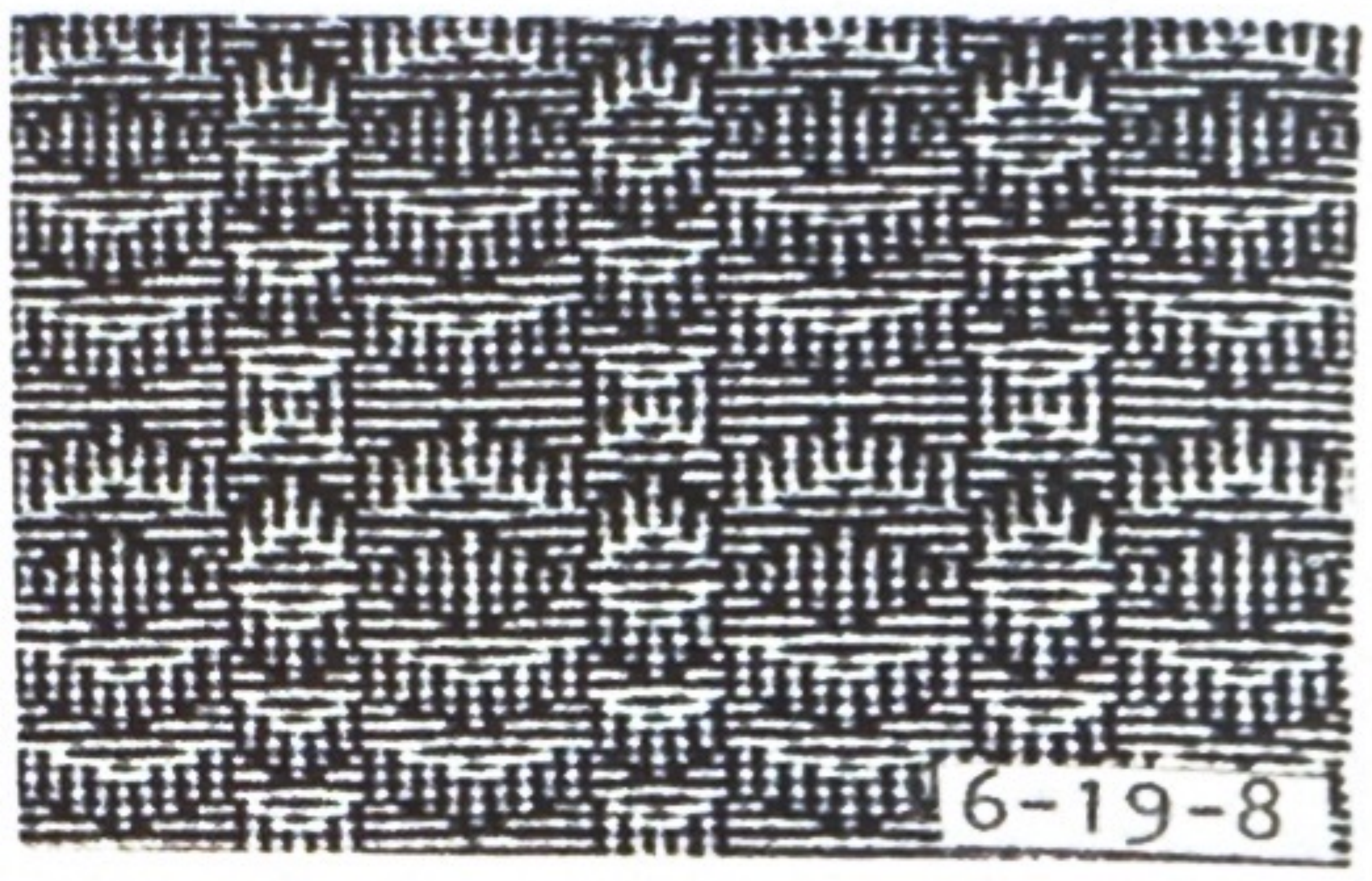
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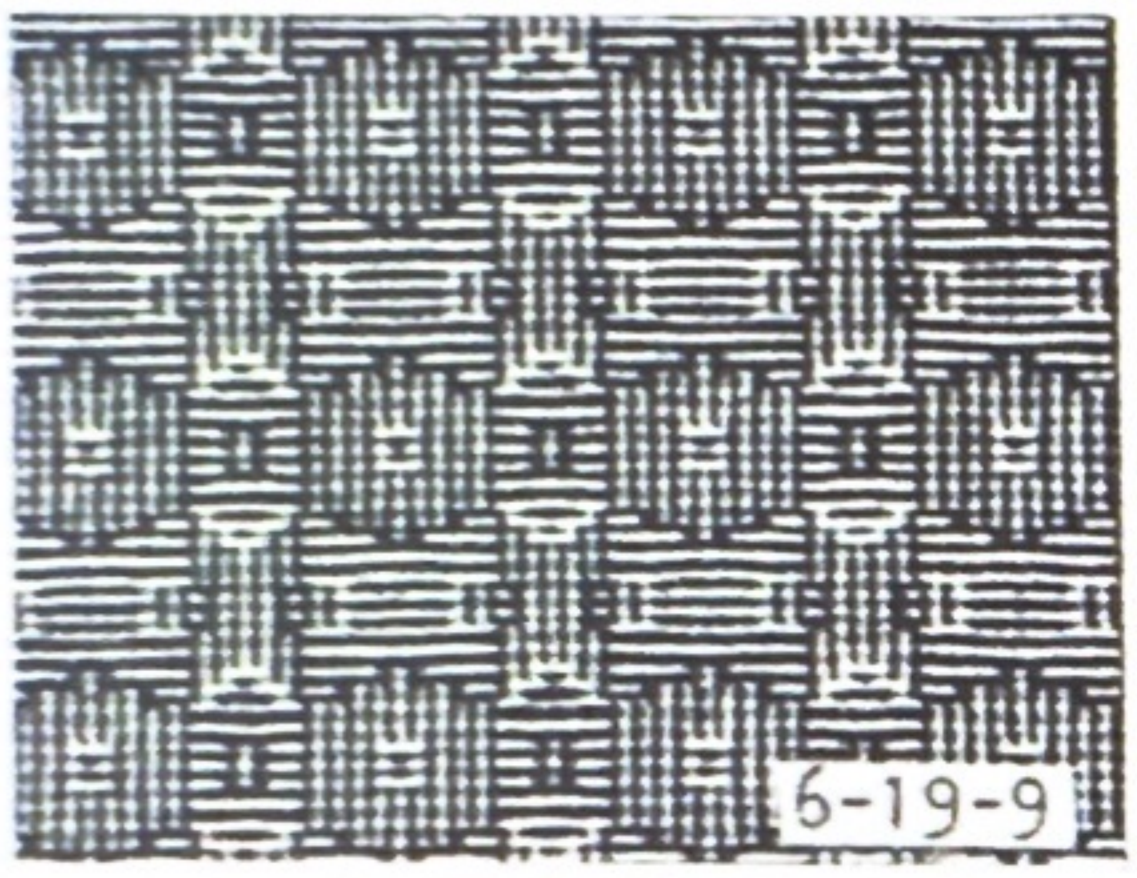
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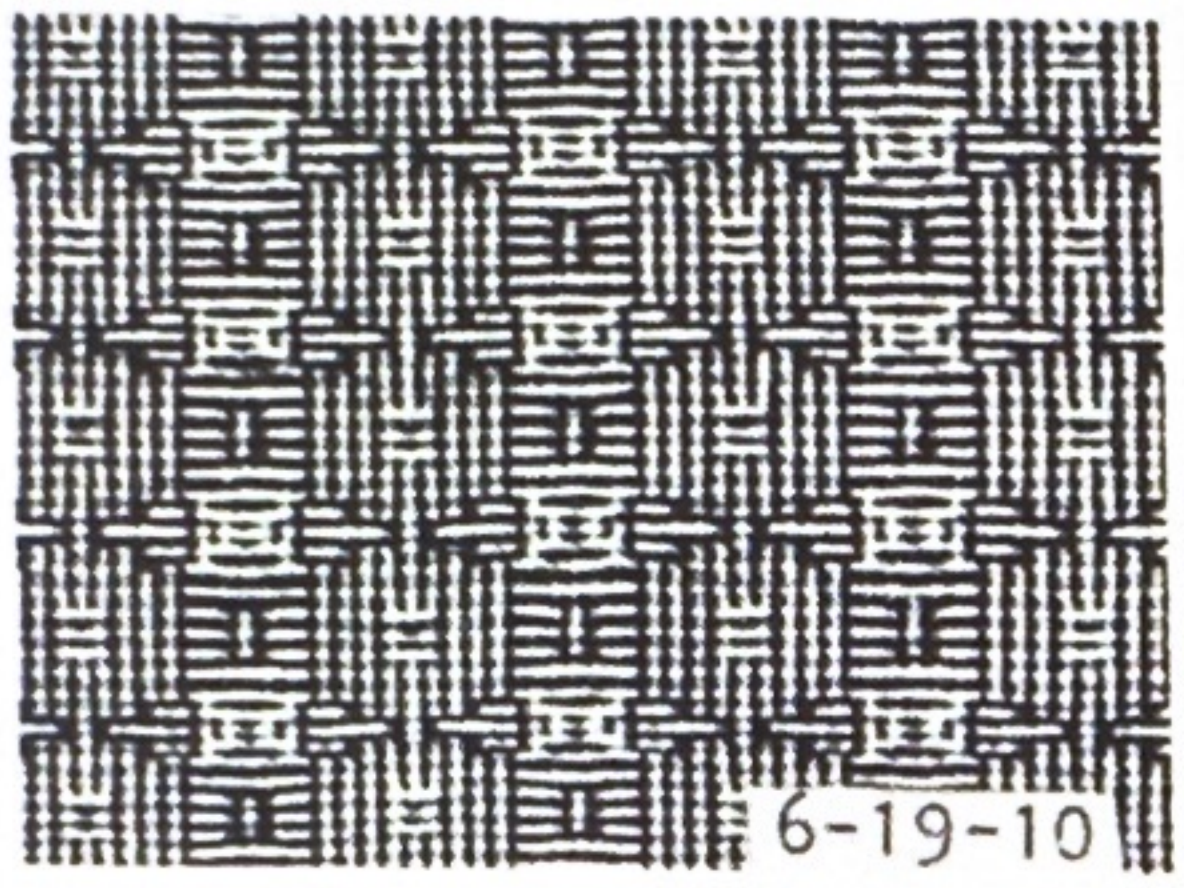
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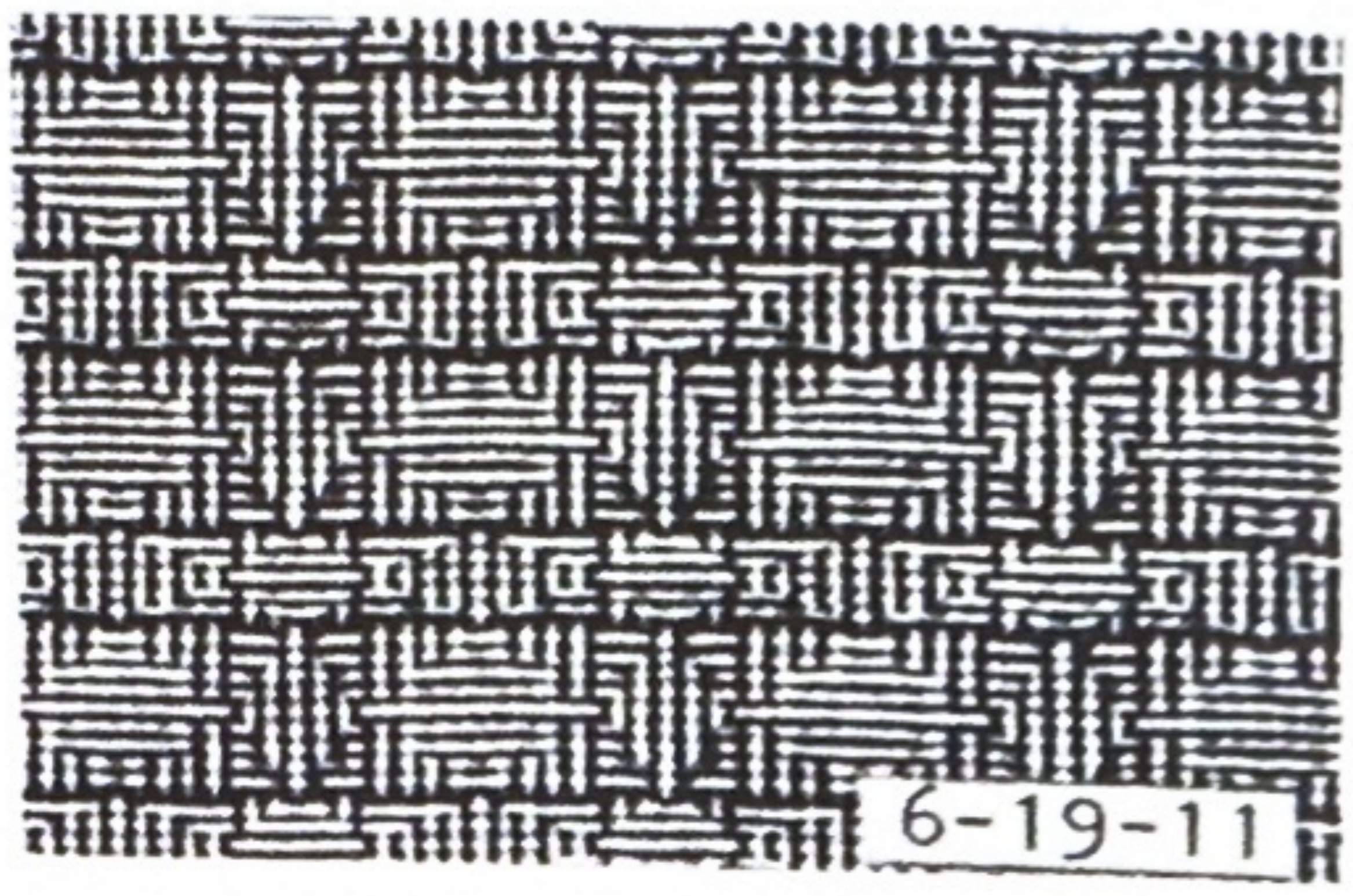
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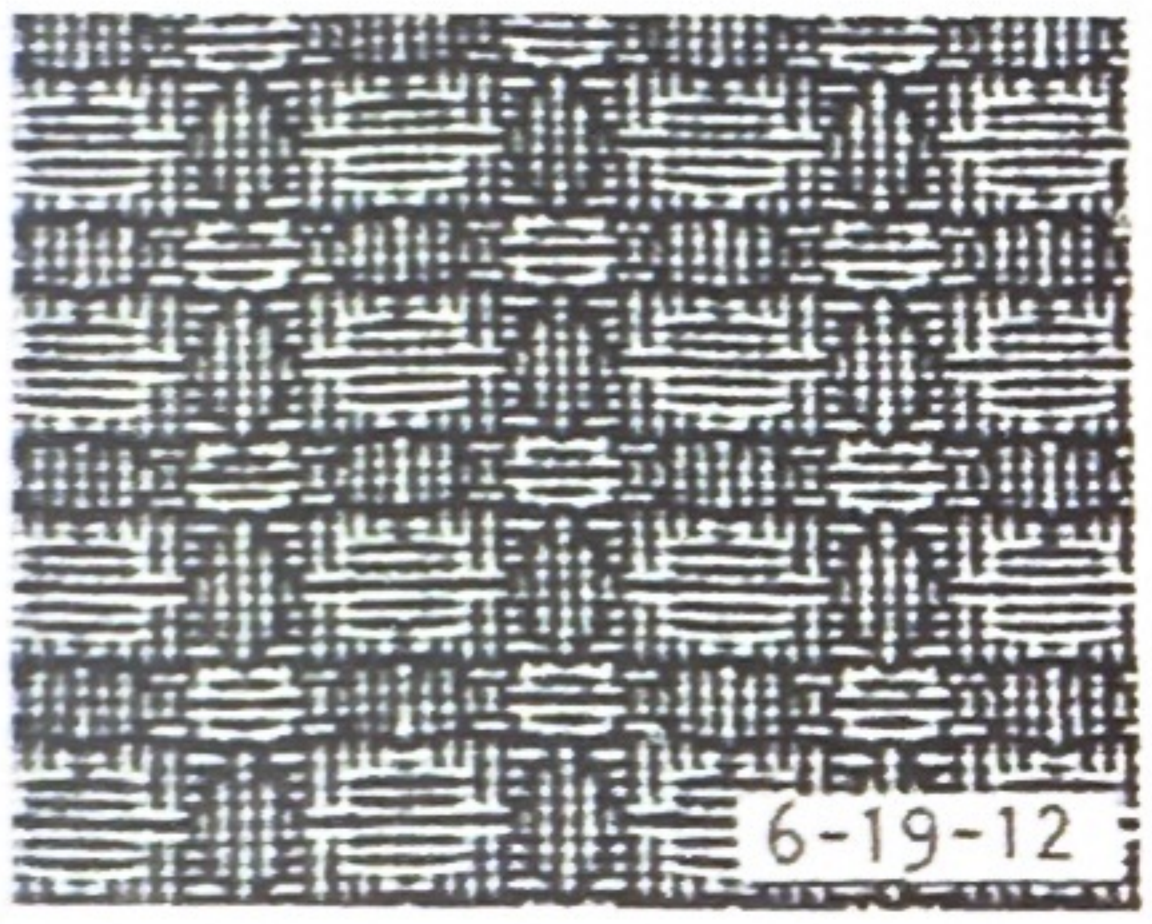
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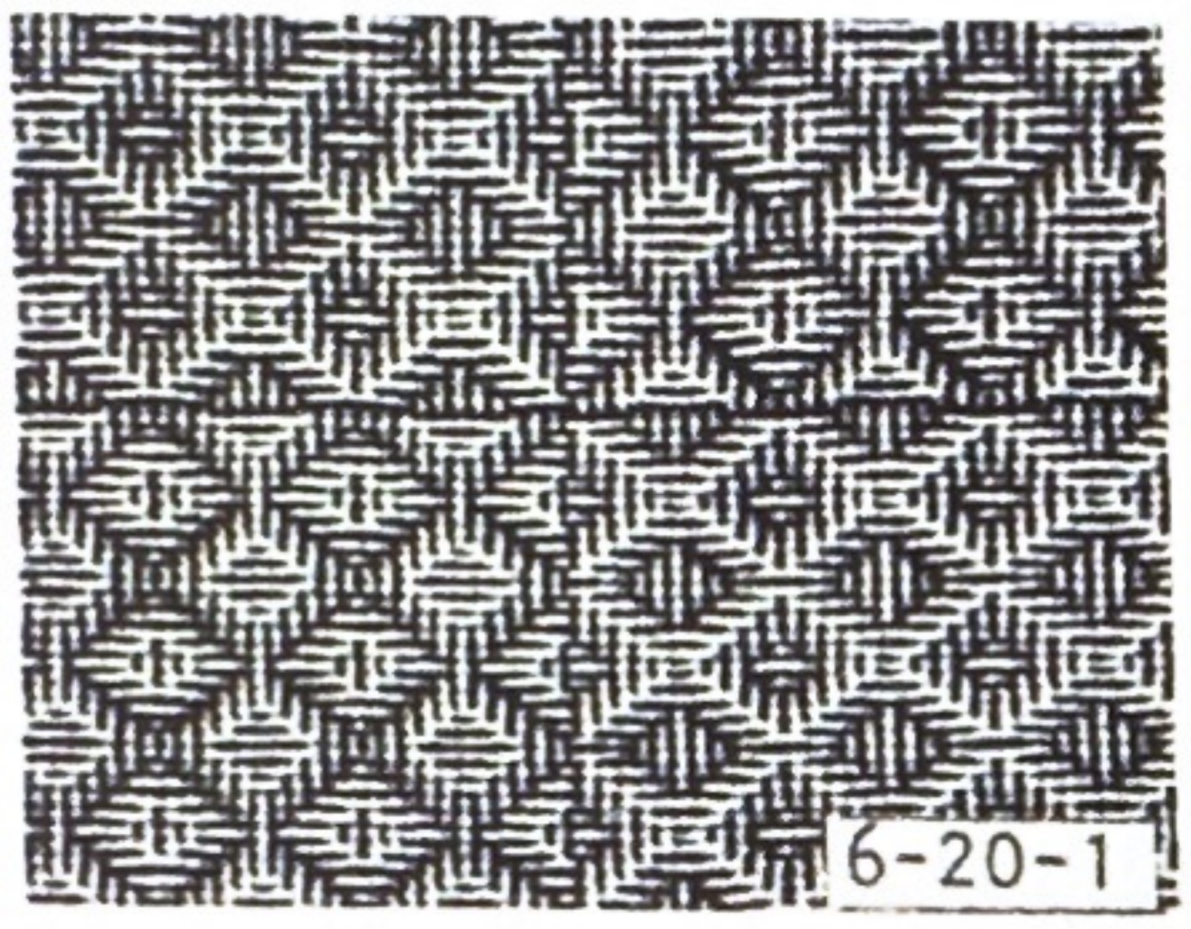
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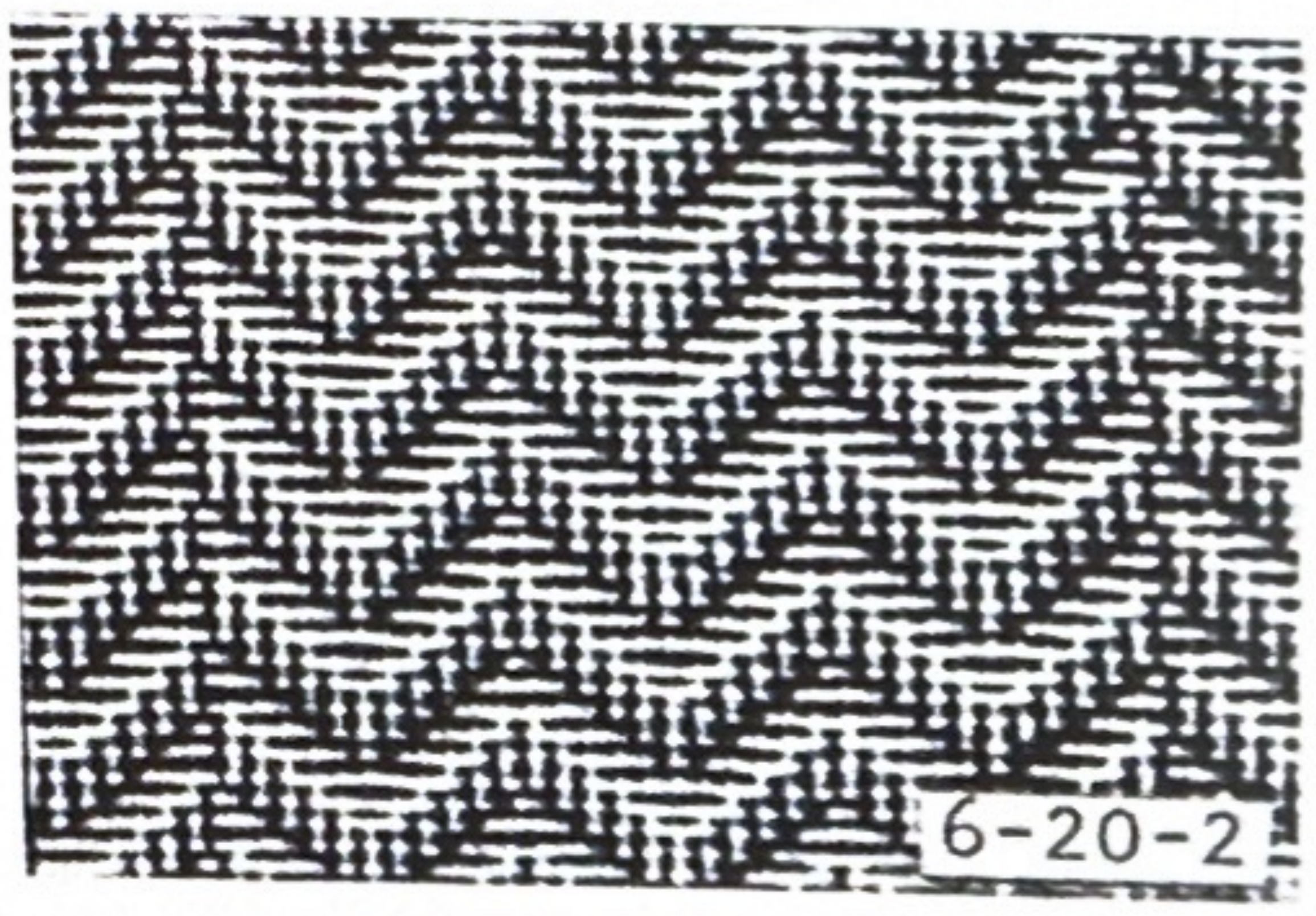
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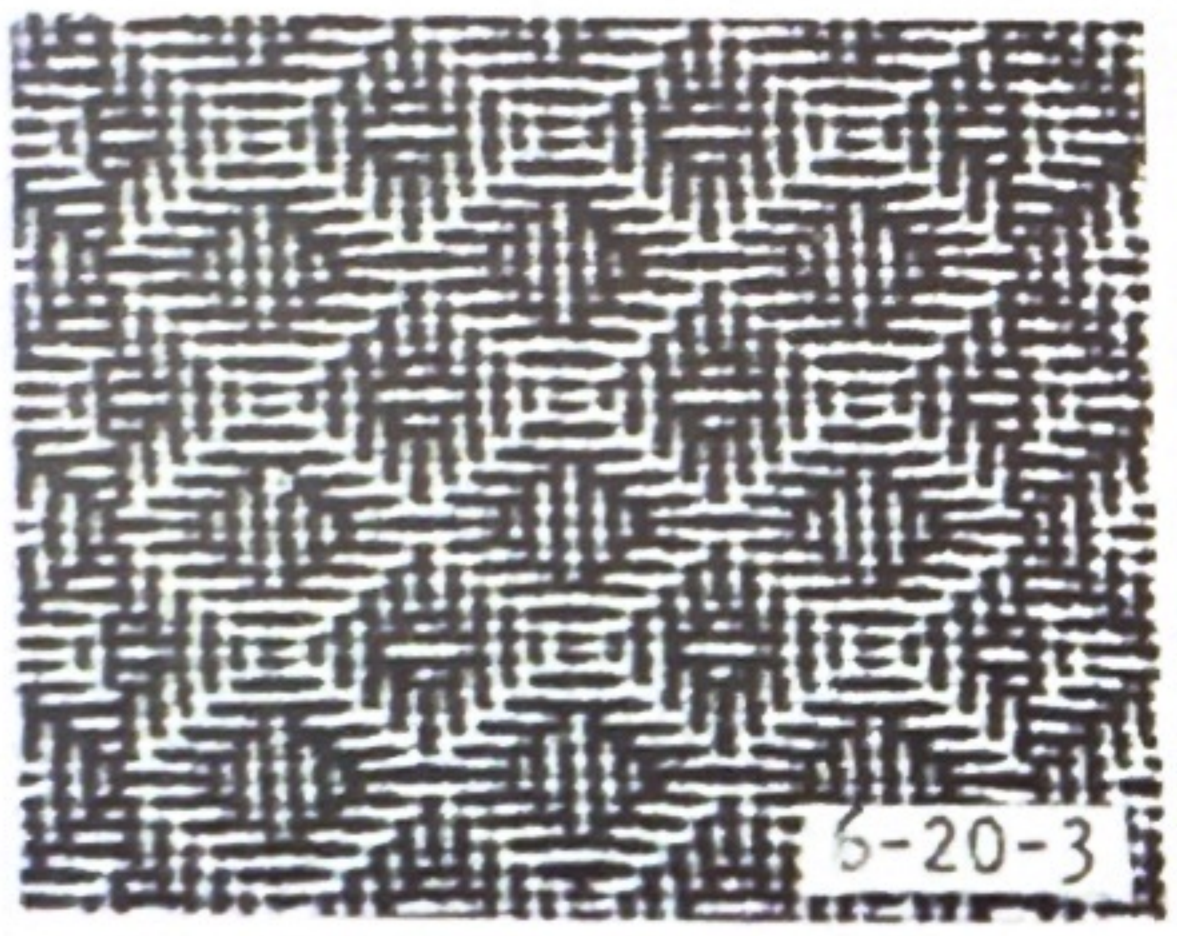
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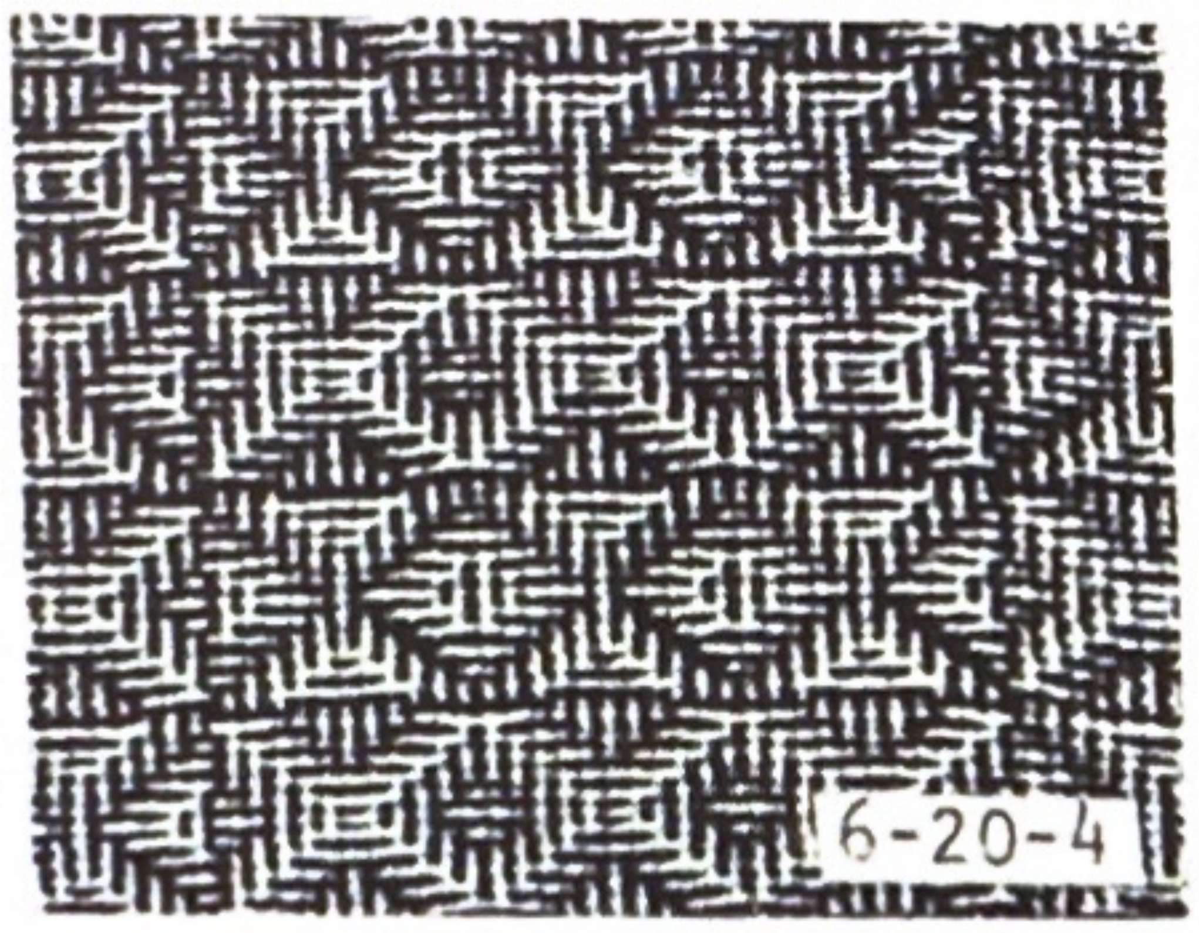
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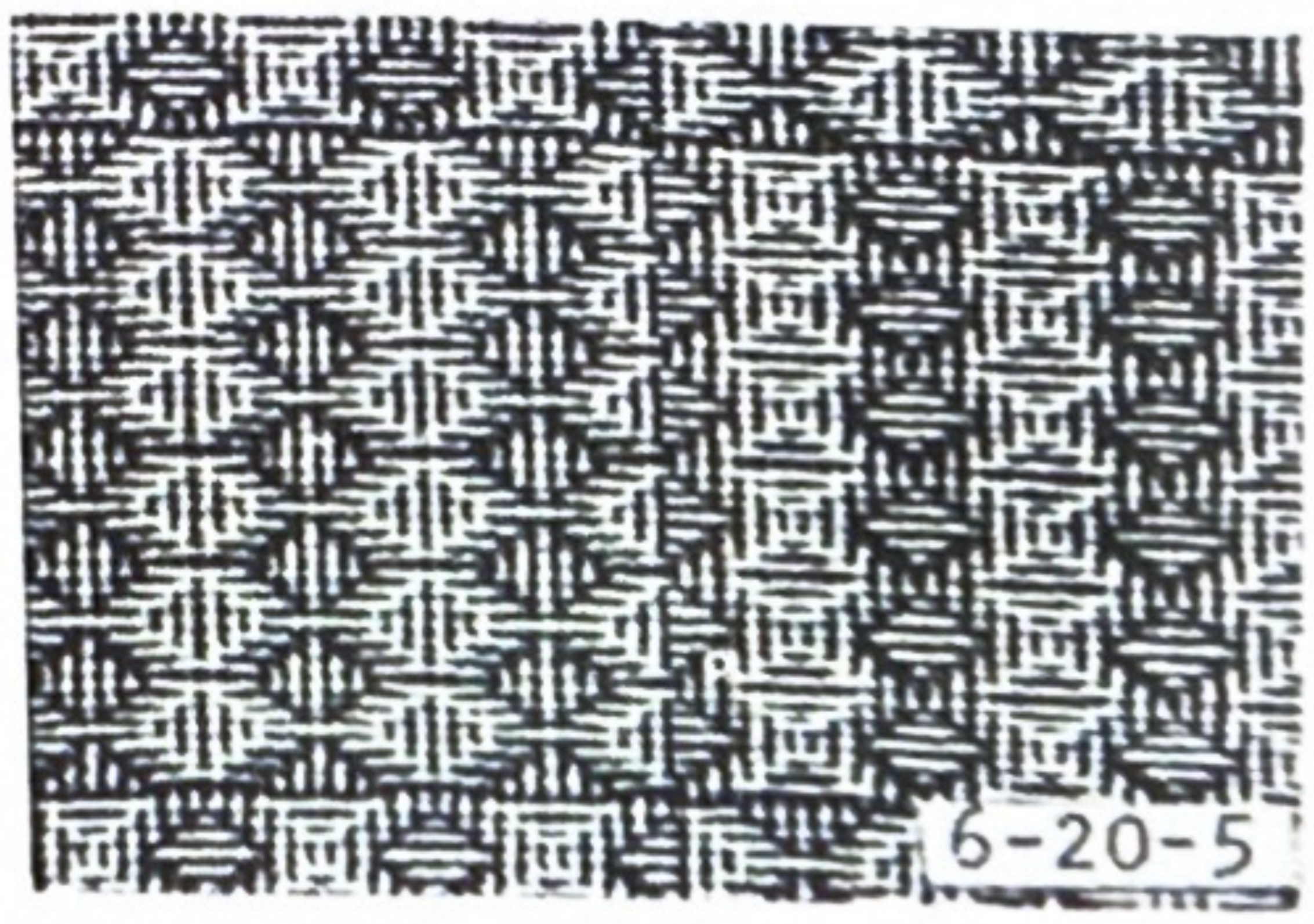
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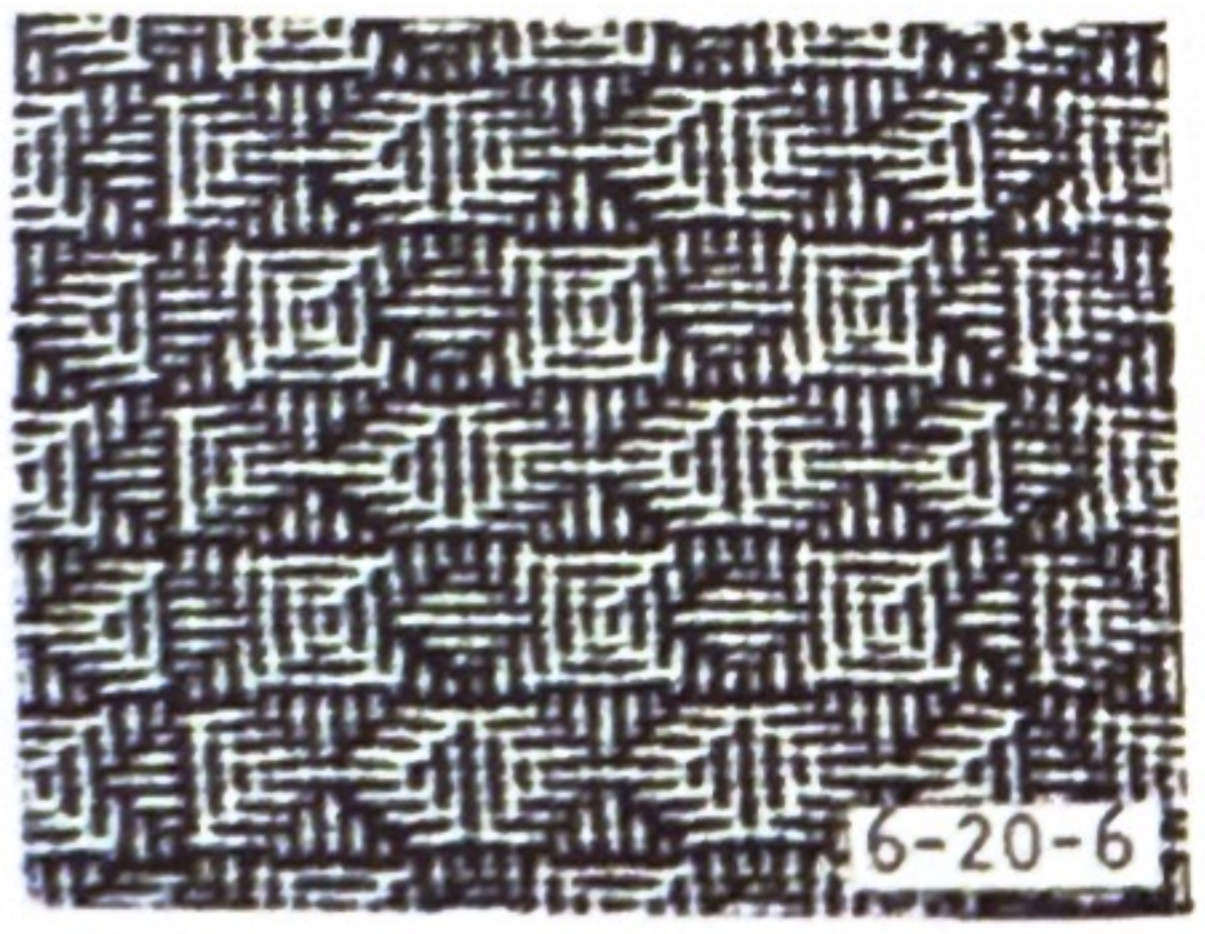
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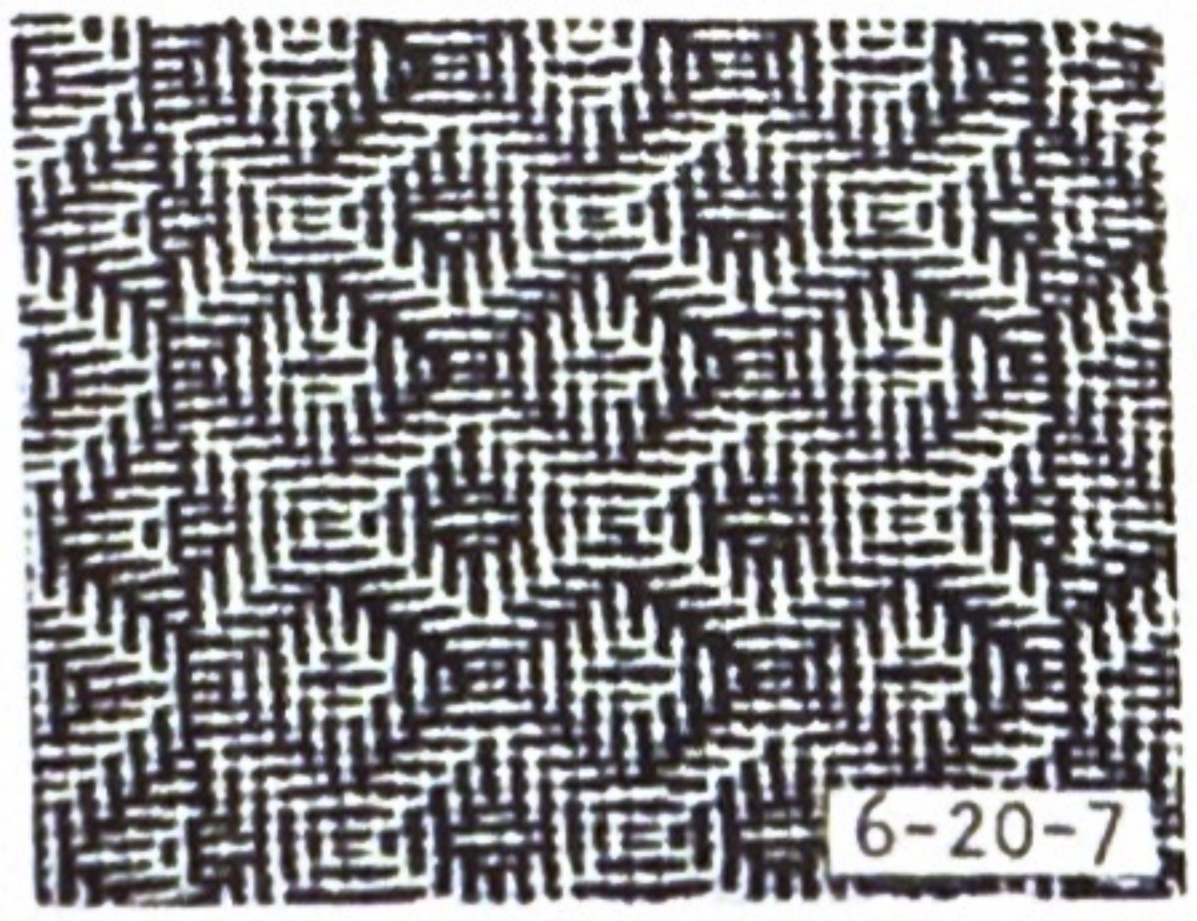
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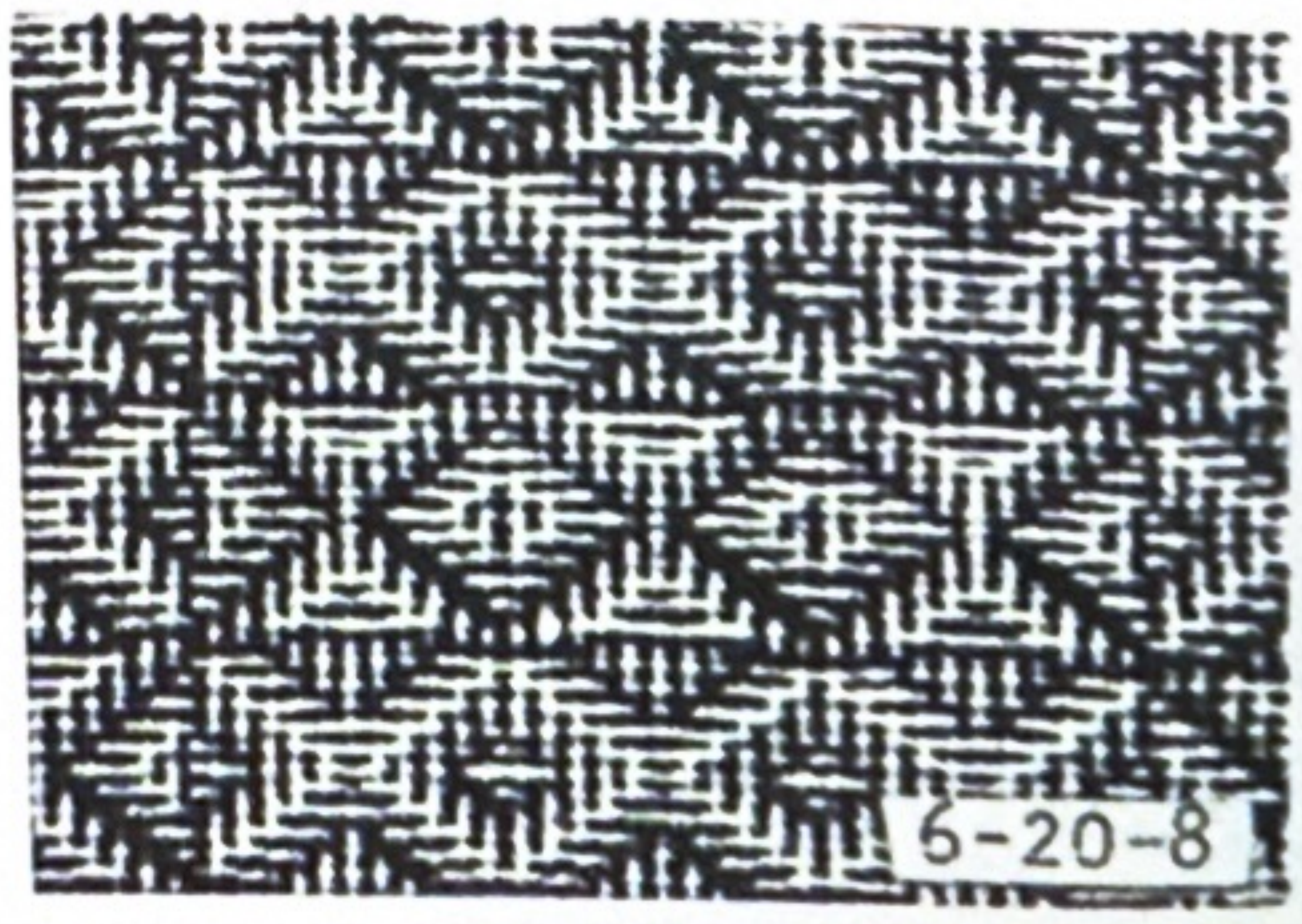
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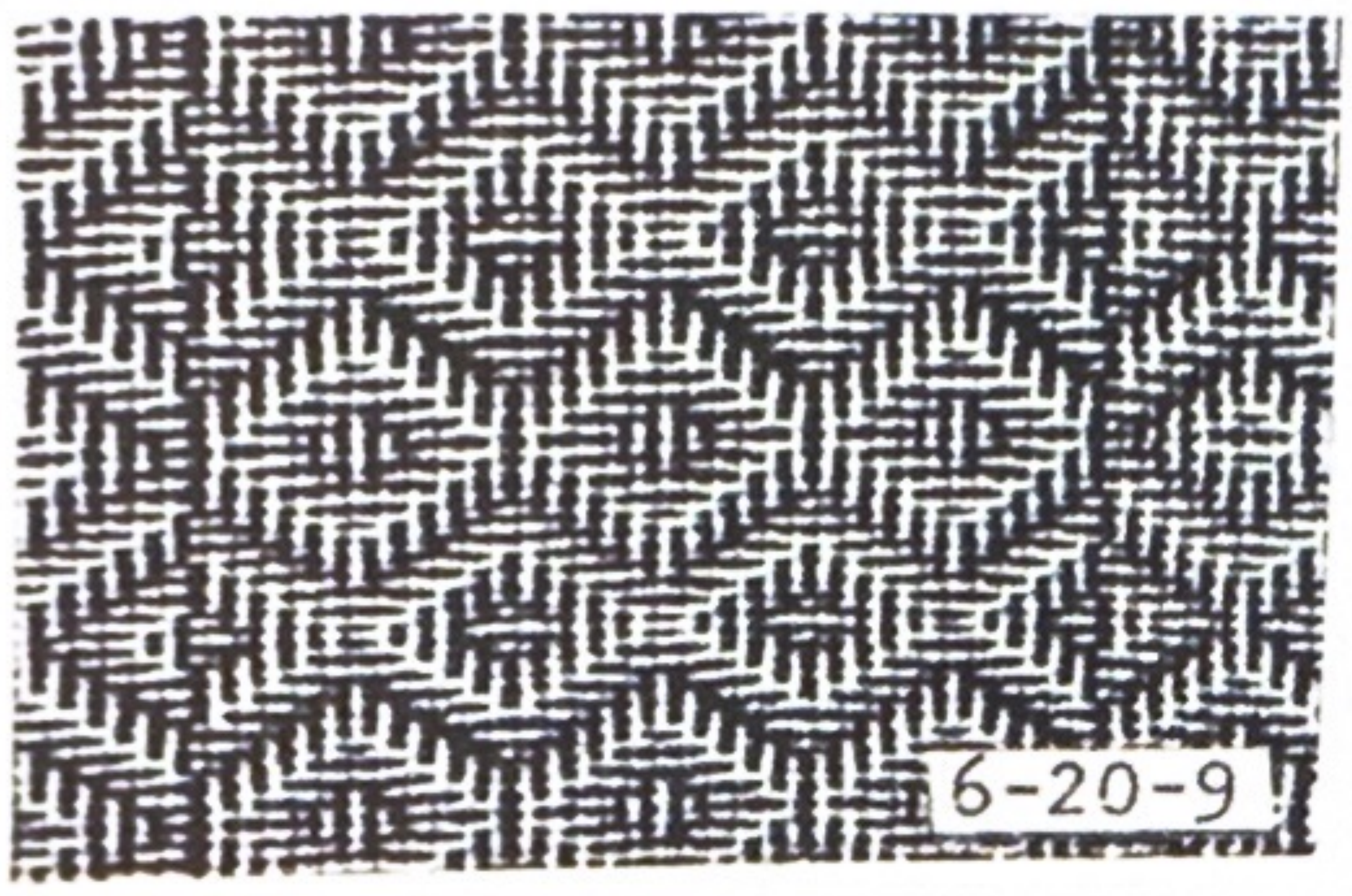
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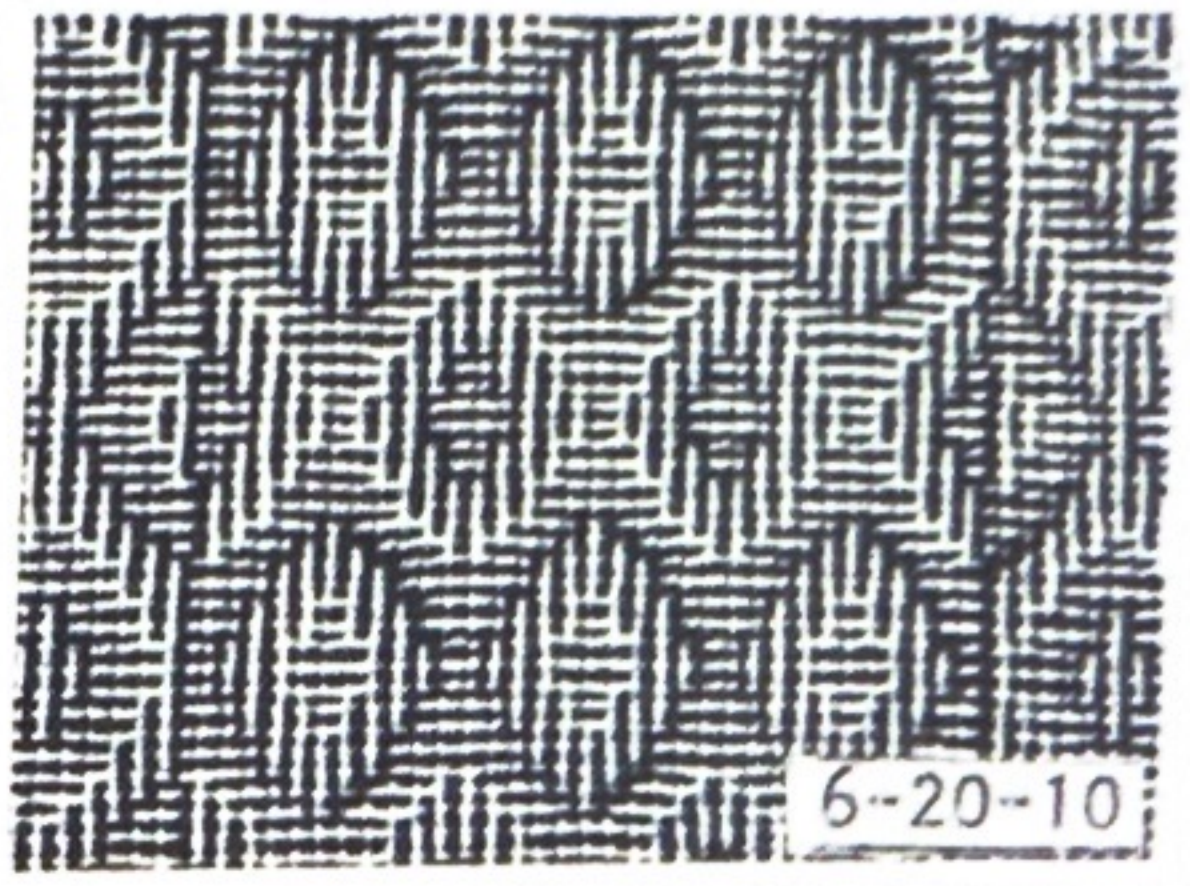
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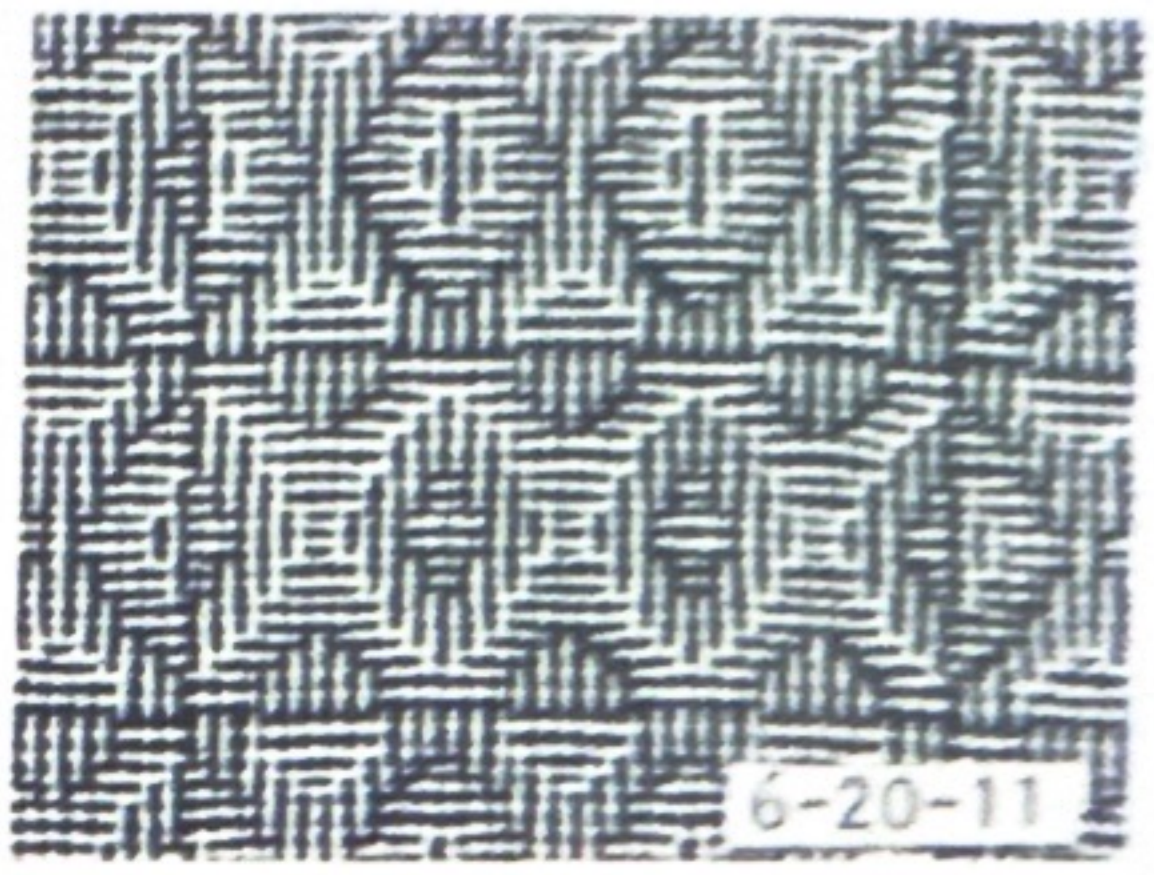
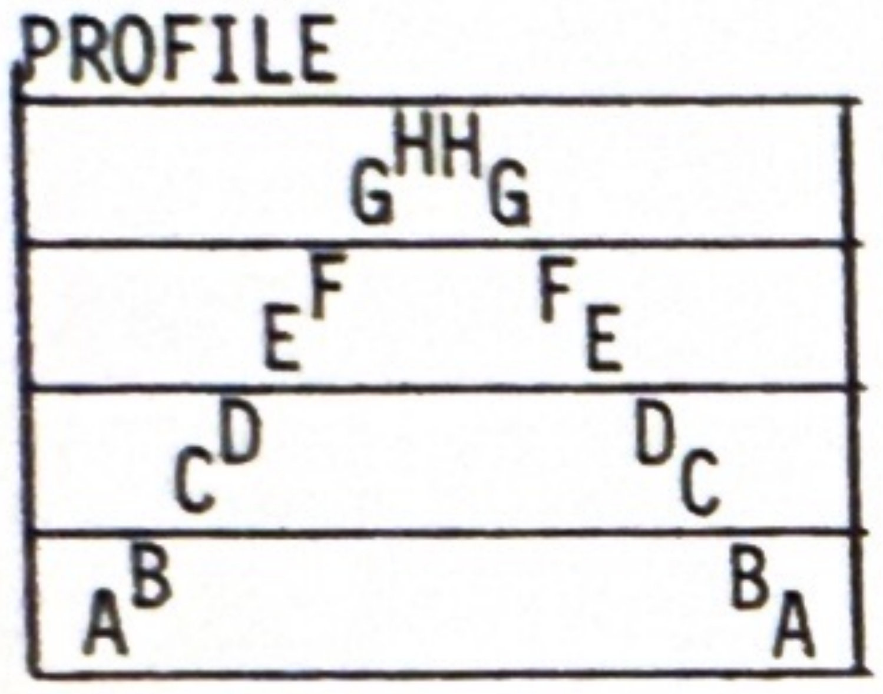
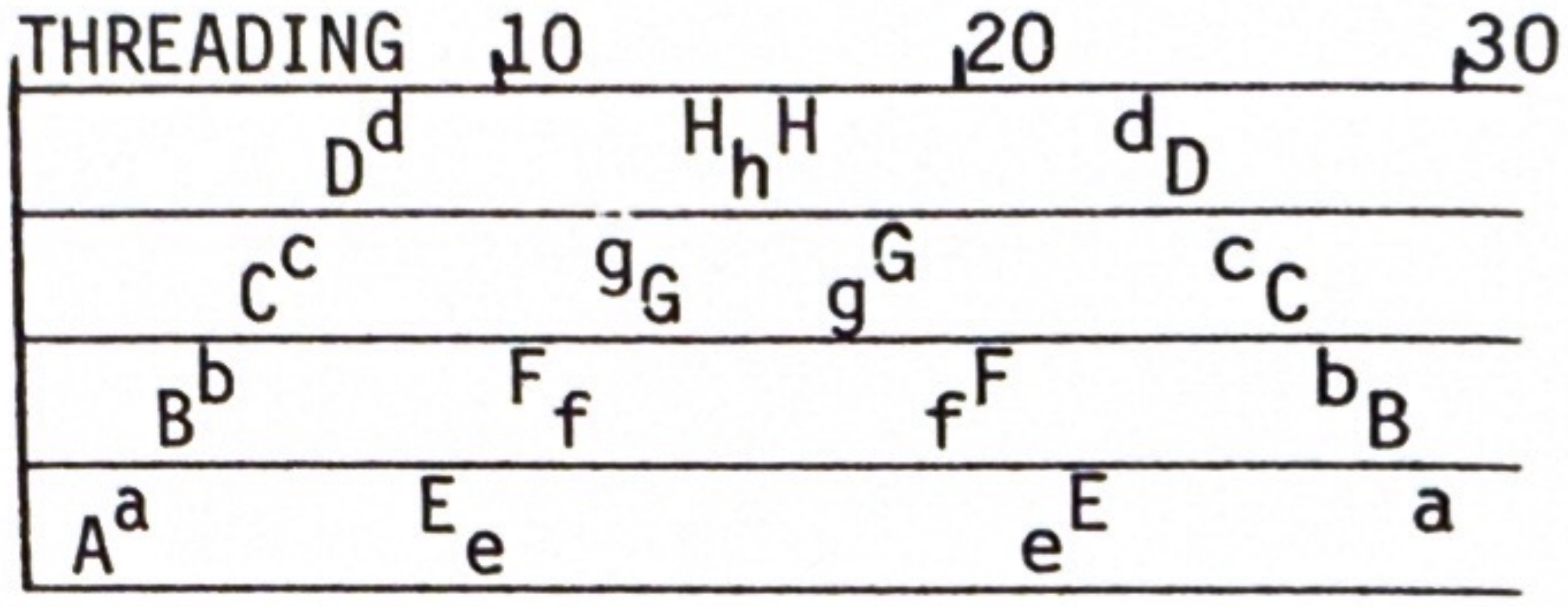

6-20-11

Eight Harness Drafts

8-1 SHADOW WEAVE. Point twill development. 30 nds.

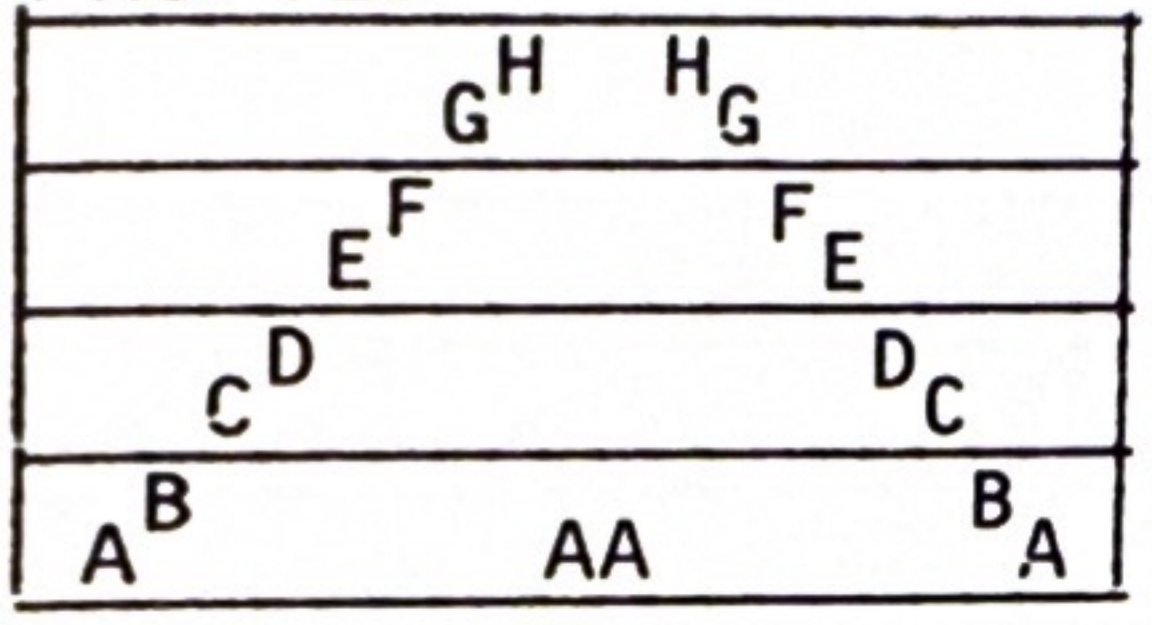




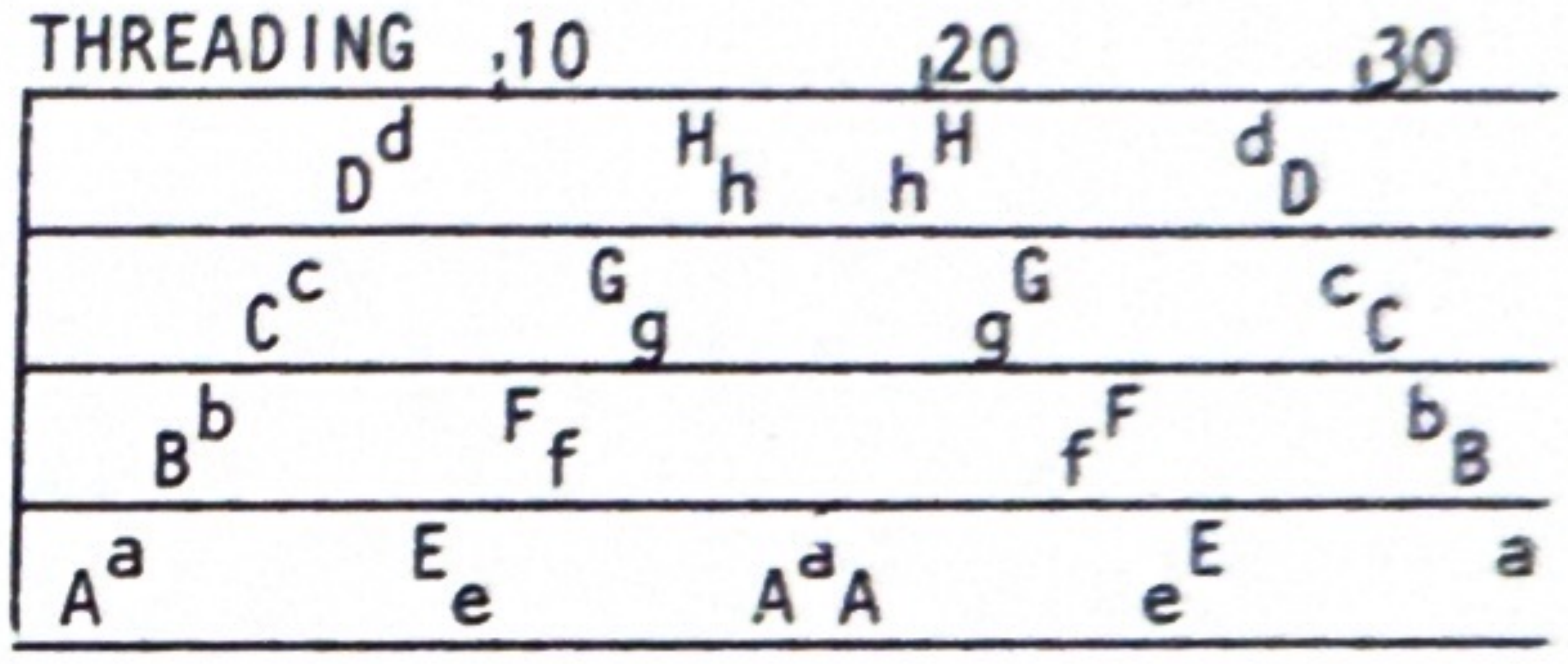
TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 12345678 21436587	ABCD EFGH
3. 12345678 212 8765432	ABCD EE DCB
4. 12345678 2143412 87654321 787	ABCD EFFE DCBA H
5. 12345678 2143 656 3412 87654321 7856587	ABCD EF GG FE DCBA HGH
6. 12345678 214365 878 563412 87654321 7856 343 6587	ABCD EFG HH GFE DCBA HG FF GH
7. 12345678 21436587 121 78563412 87654321 785634 121 436587	ABCD EFGH AA HGFE DCBA HGF EE FGH
8. 12345678 21436587 1234321 78563412 87654321 78563412 878 21436587	ABCD EFGH ABBA HGFE DCBA HGFE D EFGH
9. 12345678 21436587 1234 565 4321 78563412 87654321 78563412 8765678 21436587	ABCD EFGH ABCCBA HGFE DCBA HGFE DCD EFGH
10. 12345678 21436587 123456 787 654321 78563412 87654321 78563412 8765 434 5678 21436587	ABCD EFGH ABC DD CBA HGFE DCBA HGFE DC B CD EFGH
11. 12345678 214365 878 787 654321 78563412	ABCD EFG HH DD CBA HGFE
12. 12x2 345678 21x2 43434 12x2 876543 21x2 7878787	AA BCD EE FFF EE DCB AA HHH
13. 12x2 345678 21x2 43x2 65656 34x2 12x2 876543 21x2 78x2 56565 87x2	AA BCD EE FF GGG FF EE DCB AA HH GG HH
14. 12345678 21 43x2 65x2 87878 56x2 34x2 12 87654321 78x2 56x2 34343 65x2 87x2	ABCD E FF GG HHH GG FF E DCBA HH GG FF GG HH

8-2 SHADOW WEAVE. Rosepath development. 34 nds.

PROFILE

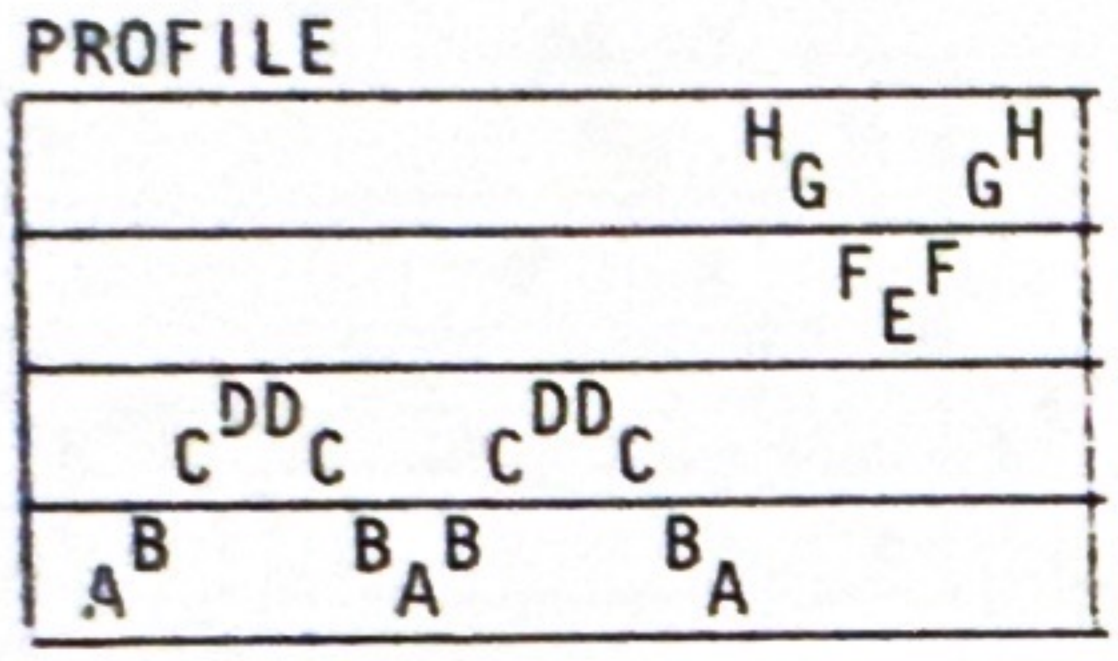


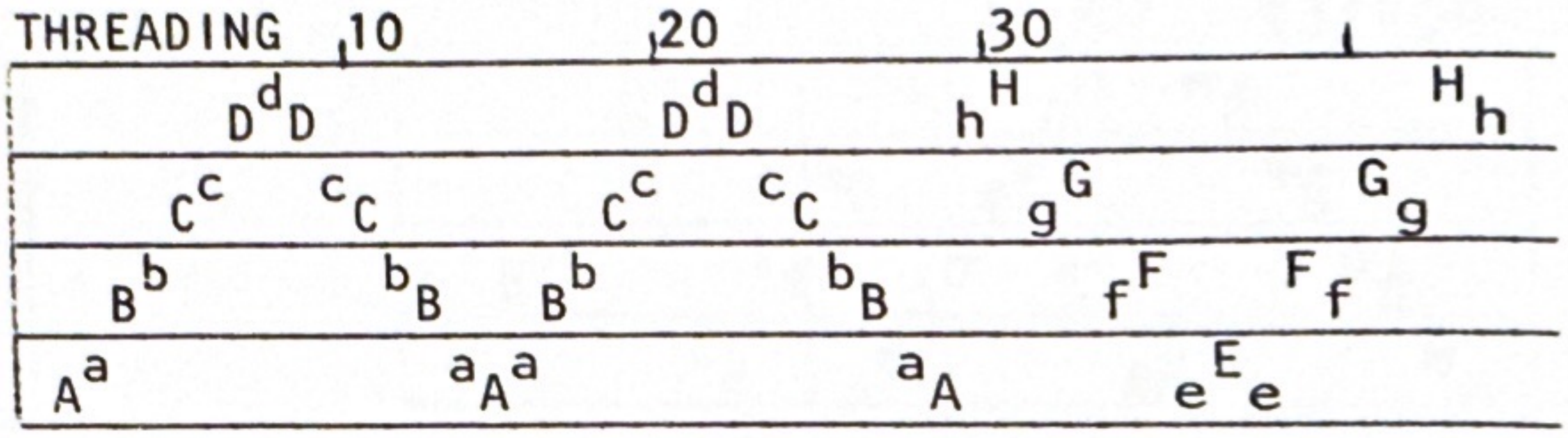
THREADING



1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	1234321 785634 121 436587	ABBA HGF E FGH
4.	12345654321 78563412 878 21436587	ABCCBA HGFE D EFGH
5.	123456 787 654321 78563412 8765678 21436587	ABC DD CBA HGFE DCD EFGH
6.	121 78563436587	AA HG F GH
7.	12345678 212 87654321 78563412 8765 434 5678 21436587	ABCD EE DCBA HGFE DC B CD EFGH
8.	1234321 78563412 878 21436587	ABBA HGFE D EFGH
9.	1234321 78563412 8765678 21436587	ABBA HGFE DCD EFGH
10.	1234321 78563412 87654345678 21436587	ABBA HGFE DCBCD EFGH
11.	12x2 34x2 56x2 787 878 56x2 34x2 12x2	AA BB CC DD HH GG FF EE
12.	121 785634 121 436587	AA HGF E FGH
13.	12 34x2 56x2 78x3 21212 87x3 65x2 43x2 21 78 56x2 34x2 12x3 8787878 21x3 43x2 65x2 87	A BB CC DDD EEE DDD CC BB A H GG FF EEE DDD EEE FF GG H
14.	12345678 2143656341̸2 87654321 7856587	ABCD EFGFE DCBA HGF
15.	121 785634 121 436587 121 78563412 878 21436587	AA HGF EE FGH AA HGFE DD EFGH
16.	12 34x2 56x2 78787 65x2 43x2 21 785634 12x2 87x2 6565656 78x2 21x2 436587	A BB CC DDD CC BB A HGF EE DD CCC DD EE FGH
17.	121 785634 121 436587 121 78563412 878 21436587 121 78563412 87 656 7821436587 121 78563412 878 21436587	AA HGF E FGH AA HGFE D EFGH AA HGFED C DEFGH AA HGFE D EFGH

8-3 SHADOW WEAVE. Extended point twill development. 45 nds.

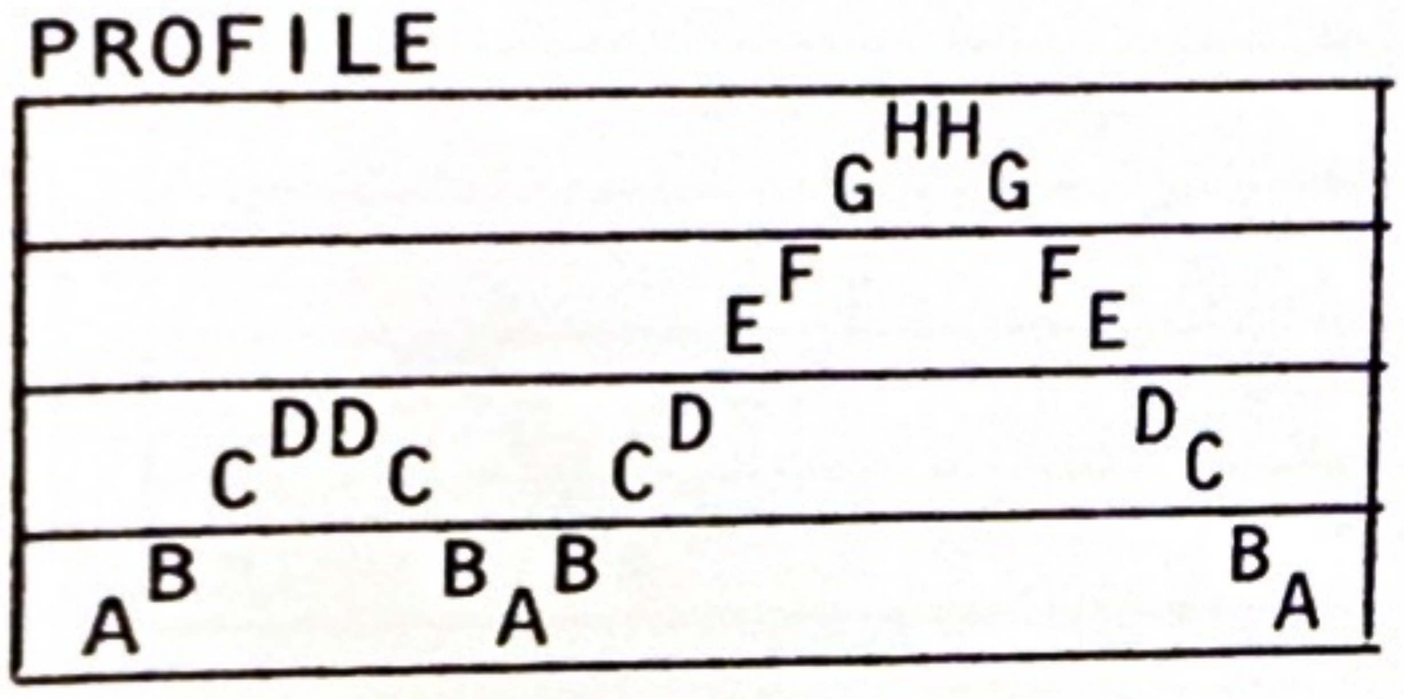




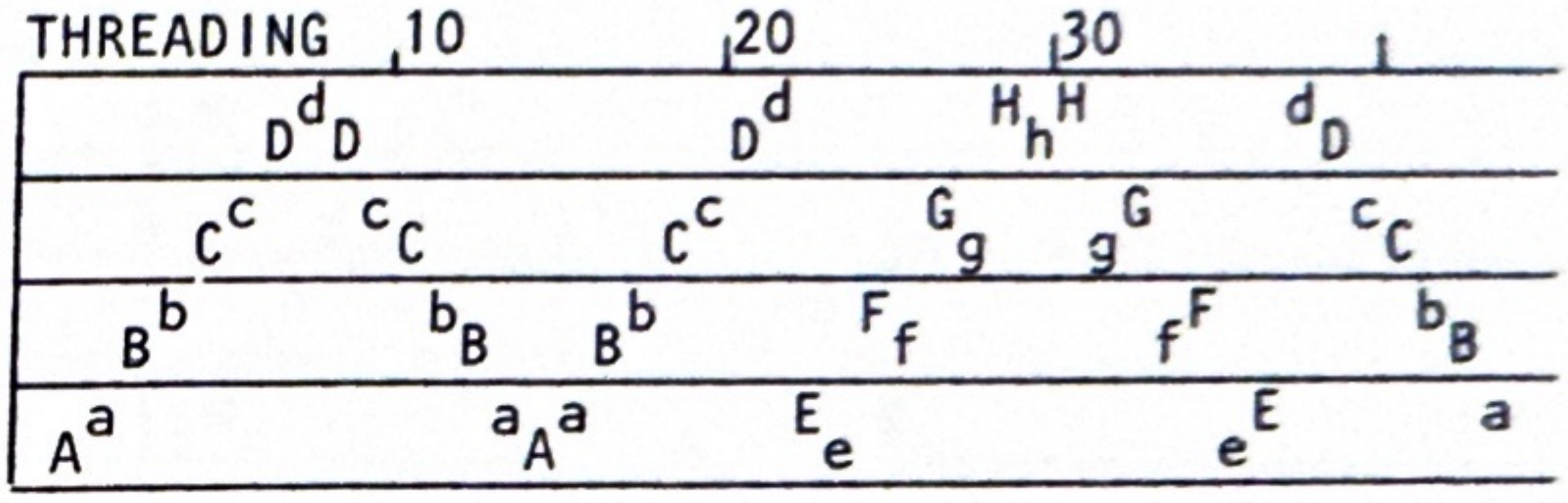
TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. $\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7$	ABCD EFGH
3. $\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2\underline{1}$ 2	ABCD EFG HH GFE DCBA
4. $\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2\underline{1}$ 2 $\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2\underline{1}$ $7\underline{8}7$	ABCD EFE DCBA ABCD EFE DCBA H
5. $\underline{1}2\underline{3}4\underline{5}6$ $\underline{7}8\underline{7}$ $6\underline{5}4\underline{3}2\underline{1}$ $7\underline{8}5\underline{6}5\underline{8}7$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{7}8\underline{7}$ $6\underline{5}4\underline{3}2\underline{1}$ $7\underline{8}5\underline{6}$ $3\underline{4}3$ $\underline{6}5\underline{8}7$	ABC DD CBA HGH ABC DD CBA HG F GH
6. $7\underline{8}5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5\underline{8}7$ $\underline{8}5\underline{6}3\underline{4}$ $1\underline{2}1$· $\underline{4}3\underline{6}5\underline{8}7$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{7}8\underline{7}$ $6\underline{5}4\underline{3}2\underline{1}$	HGF E FGH HGF E FGH ABC DD CBA
7. $7\underline{8}5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5\underline{8}7\underline{8}5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5\underline{8}7$ $\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}2\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}$	HGF EFGHHGF E FGH AB CC BAAB CC BA
8. $7\underline{8}5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5\underline{8}$	HGF E FGH
9. $\underline{8}7\underline{6}5\underline{4}3$ $\underline{2}1\underline{2}$ $3\underline{4}5\underline{6}7$	Switch Interlacement.
10. $7\underline{8}5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7$ $\underline{1}2\underline{3}4\underline{5}6$ $\underline{7}8\underline{7}$ $6\underline{5}4\underline{3}2\underline{1}$	HGFE DCD EFG HH GFE DCD EFGH ABC DD CBA
11. $7\underline{8}5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}$ $4\underline{3}4$ $\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7$ $\underline{1}2\underline{3}4$ $\underline{5}6\underline{5}$ $4\underline{3}2\underline{1}$	HGFE DC B CD EFG HH GFE DC B CD EFGH AB CC BA
12. $7\underline{8}5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7$ $\underline{8}5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7$ $\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2\underline{1}$	HGFE DCD EFGH HGFE DCD EFGH ABCD EFG H GFE DCBA

8-4 SHADOW WEAVE. Extended point twill development. See 4-5. 44 nds.

PROFILE



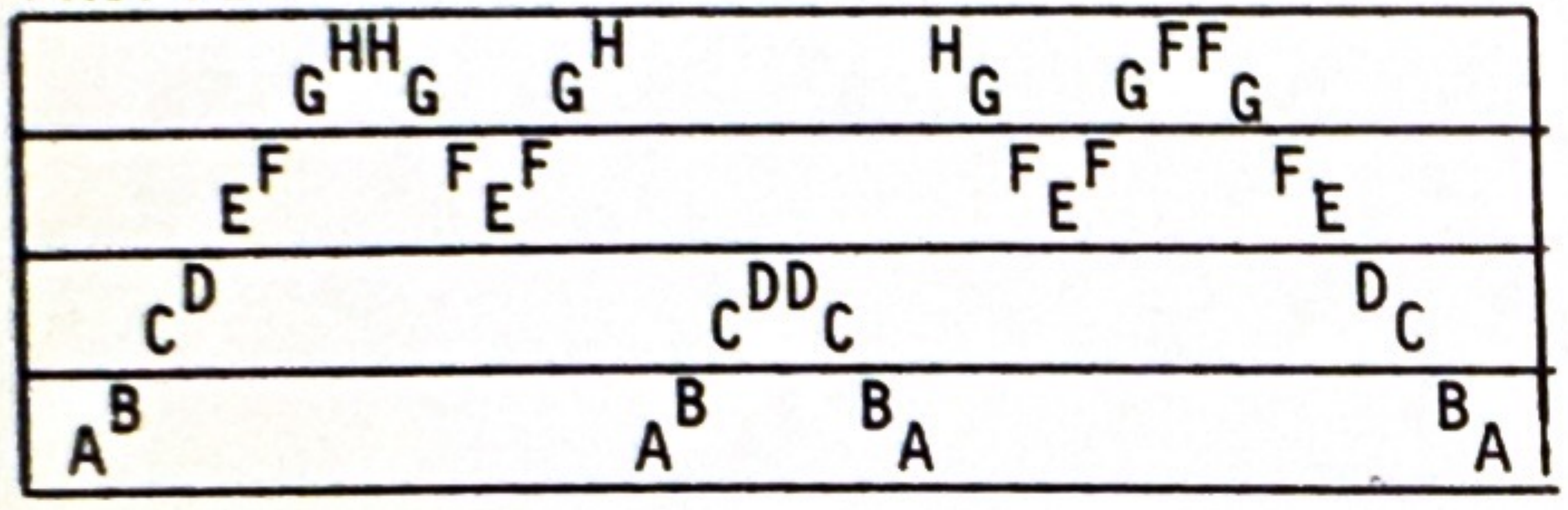
THREADING



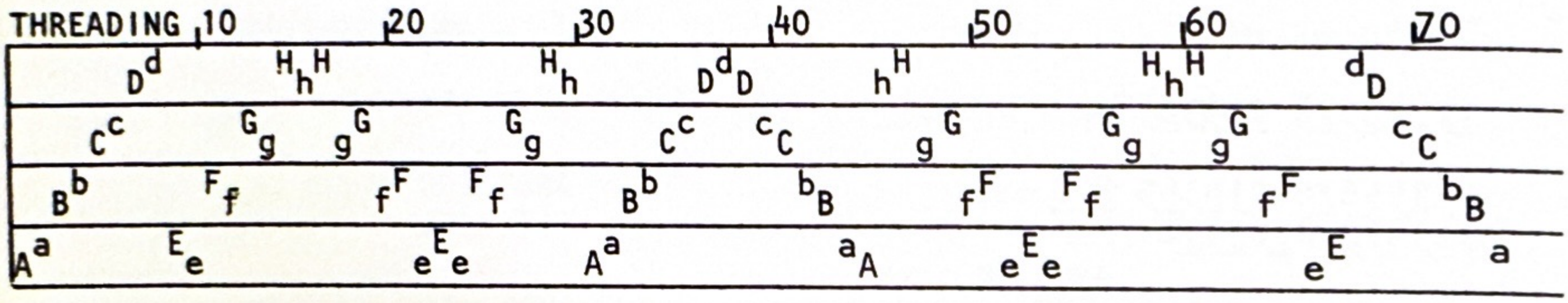
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCBA
4.	1234321 78563412 878 21436587	ABBA HGFE D EFGH
5.	12345654321 78563412 8765678 21436587	ABCCBA HGFE DCD EFGH
6.	123456 787 654321 78563412 8765 434 5678 21436587	ABC DD CBA HGFE DC B CD EFGH
7.	121 785634 121 436587	AA HGF E FGH
8.	123456 787 654321 785634 121 436587	ABC DD CBA HGF E FGH
9.	1234321 78563412 8765678 12436587	ABBA HGFE DCD EFGH
10.	1234321 78563412 8765 434 5678 21436587	ABBA HGFE DC B CD EFGH
11.	123456 787 654321 78563412 878 21436587	ABC DD CBA HGFE D EFGH
12.	12x2 34x2 56565 43x2 21x2 785634 12x2 87x2 6565656 78x2 21x2 436587	AA BB CCC BB AA HGF EE DD CCC DD EE FGH
13.	878 563434365	HH GFFG--Rotation
14.	12345678 212 8765432 12345678 212 87654321 785634 121 436587	ABCD EE DCB ABCD EE DCBA HGF E FGH
15.	121 78563412 8765 434 5678 21436587	AA HGFE DC B CD EFGH

8-5 SHADOW WEAVE. Extended point twill development. 75 nds.

PROFILE


G HH G G H H G G FF G
E F F E F F E F F E
C D C DD C D C
A B A B B A B A

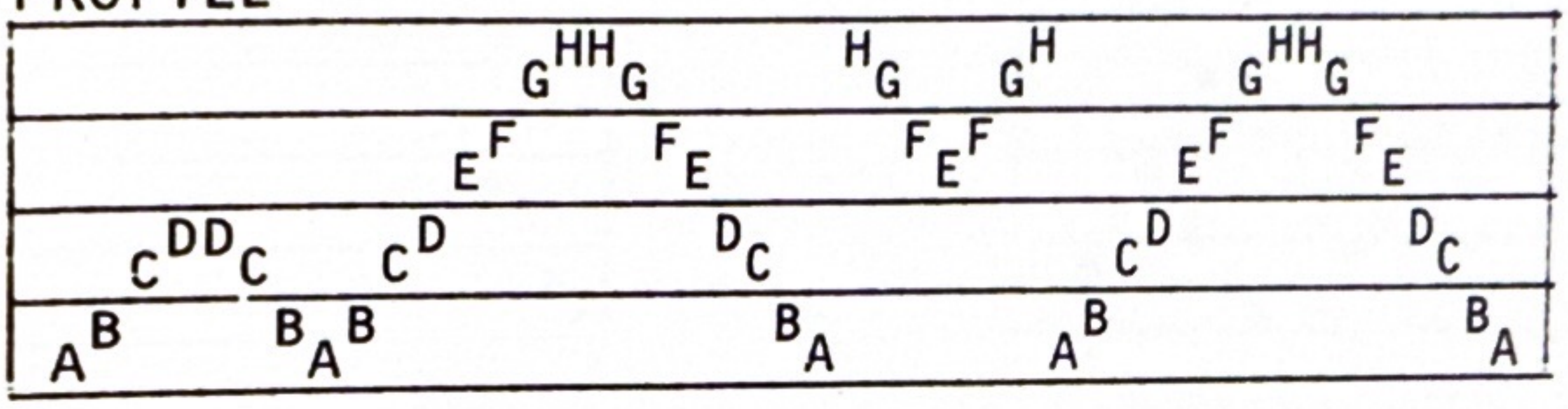
THREADING


10
20
30
40
50
60
70
D d H h H H h D d D h H H h H d D
C c G g g G G g C c c C g G G g g G c C
B b F f f F F f B b b B f F F f f F b B
A a E e e E e A a a A e E e e E a

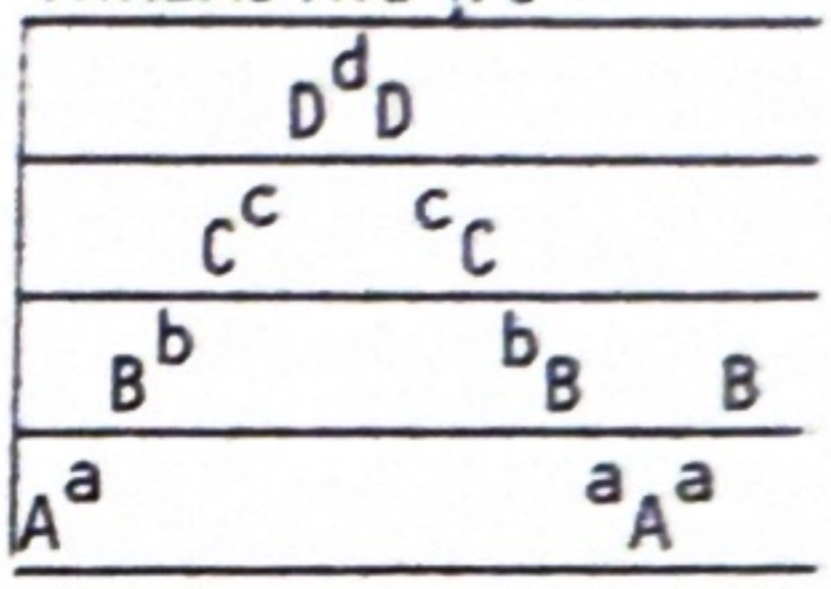
TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 12345678 21436587	ABCD EFGH
3. 12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4. 12345678 214365 878 5634 121 43658 78563412 8765432	ABCD EFG HH GF E FGH HGFE DCB
5. 12345678 214365 878 563412 8765432 123456 787 65432	ABCD EFGHH GFE DCB ABC DD CB
6. 12345678 21436587 12345678 2143658 785634 121 436587 123456 787 654321 785634 121 436587 8563412 87654321 78563412 8765432	ABCD EFGH ABCD EFGH HGF E FGH ABC DD CBA HGF E FGH HGFE DCBA HGFE DCB
7. 878 56 34343 65	HH G FF G--Rotation
8. 12345678 214365 878 563412 8765432 123456 787 654321123456 787 65432	ABCD EFG HH GFE DCBA ABC DD CBABC DD CB
9. 123456 787 654321 78563412 8765 434 5678 21436587	ABC DD CBA HGFE DC B CD EFGH
10. 12x2 34343 21x2 785634 12x2 8787878 21x2 436587	AA BBB AA HGF EE DDD EE FGH

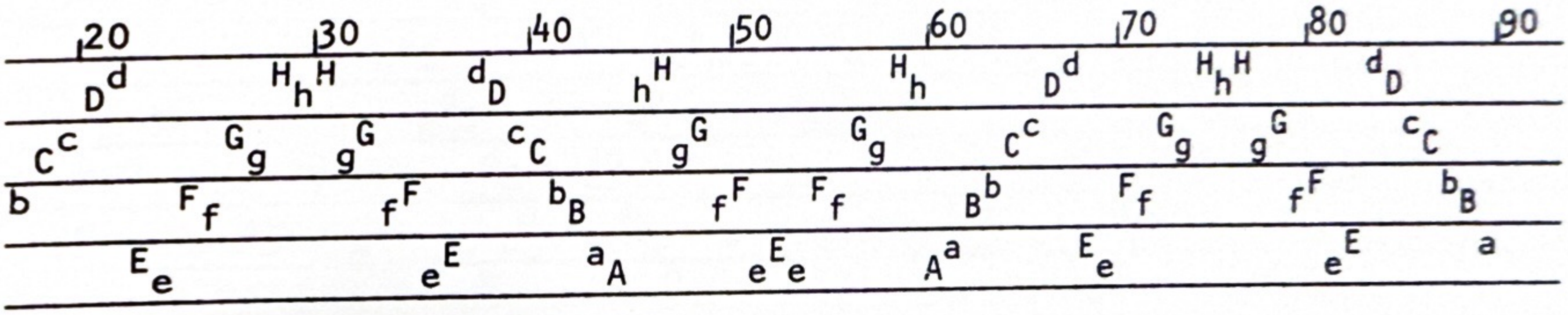
8-6 SHADOW WEAVE. Extended point twill development. 94 nds.

PROFILE


G HH G H G G H G HH G
E F F E F E F E F F E
C DD C C D D C C D D C
A B B A B B A A B B A

THREADING 10

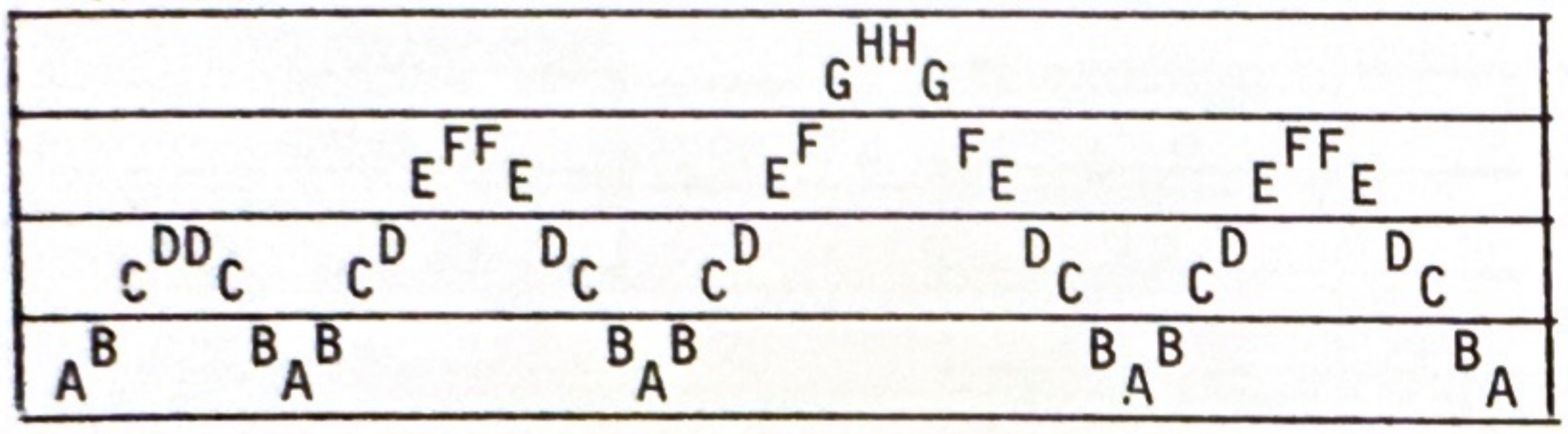

D d D
C c c C
B b b B B
A a a A a


20 30 40 50 60 70 80 90
D d H h H d D h H H h D d H h H d D
C c G g g G c C g G G g C c G g g G c C
b F f f F b B f F F f B b F f f F b B
E e e E a A e E e A a E e e E a

TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 12345678 21436587	ABCD EFGH
3. 12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCBA
4. 123456 787 65432123456 78 214365 878 563412 8765432	ABC DD CBABC D EFG HH GFE DCB
5. 12345678 214365 878 563412 87654321 785634 121 436587	ABCD EFG HH GFE DCBA HGF E FGH
6. 12345678 21436587 123456787 654321 78563412 8765432	ABCD EFGH ABCDD CBA HGFE DCB
7. 12345678 214365 878 563412 876543 212 345678765432 123456 787 65432	ABCD EFG HH GFE DVB A BCDDCB ABC DD CB
8. 12345678 2143 656 3412 87654321 7856 343 6587	ABCD EF GG FE DCBA HG F GH
9. 12x2 34x2 56x2 787878 56x2 34x2 12x2	AA BB CC DD HH GG FF EE
10. 12x2 345678 21x2 43434 12x2 876543 21x2 7878787	AA BCD EE FFF EE DCB AA HHH
11. 878 56 34343 65	HH G FF G
12. 2143 6563412 8765 434 5678	Not SHWV. interlacement

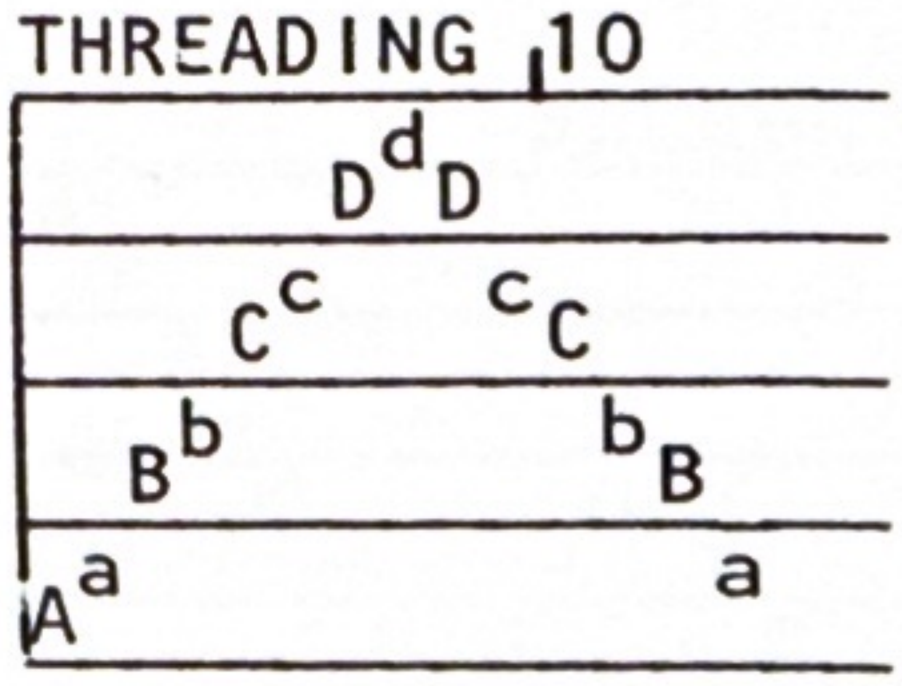
8-7 SHADOW WEAVE. Extended point twill development. 88 nds.

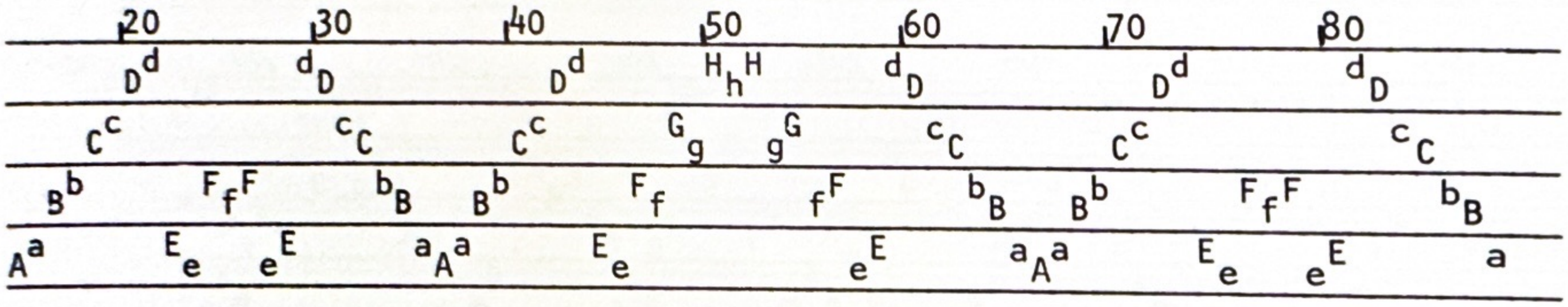
PROFILE



A B B A B C D D C C D D C E F F E C D E F G H H G F E D C B A B C D C D E F F E D C B A

THREADING

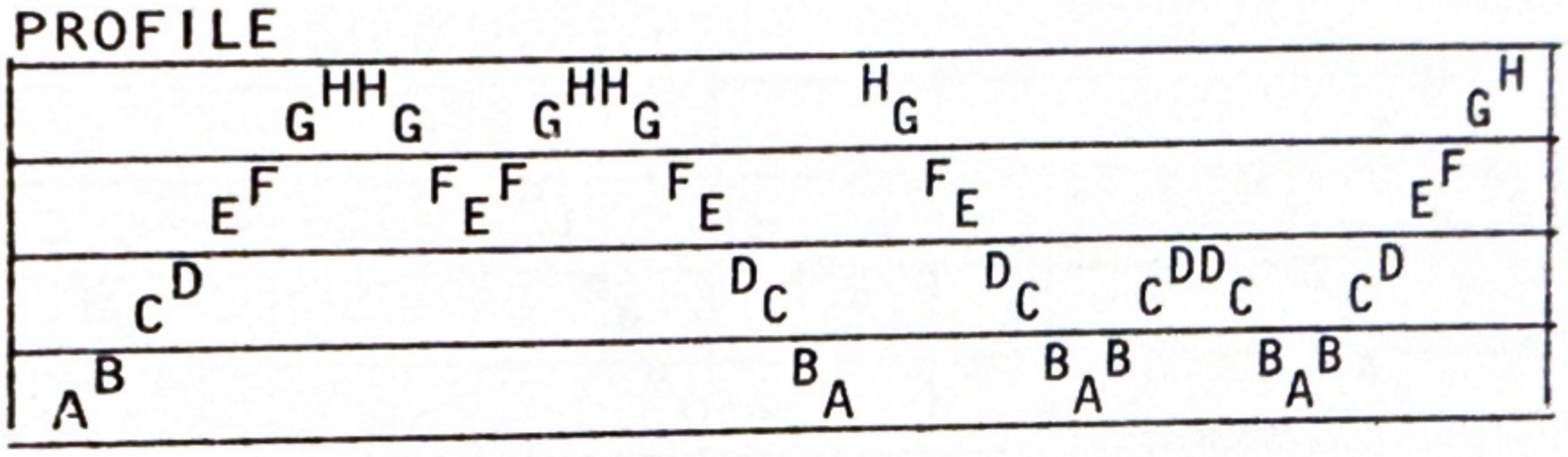




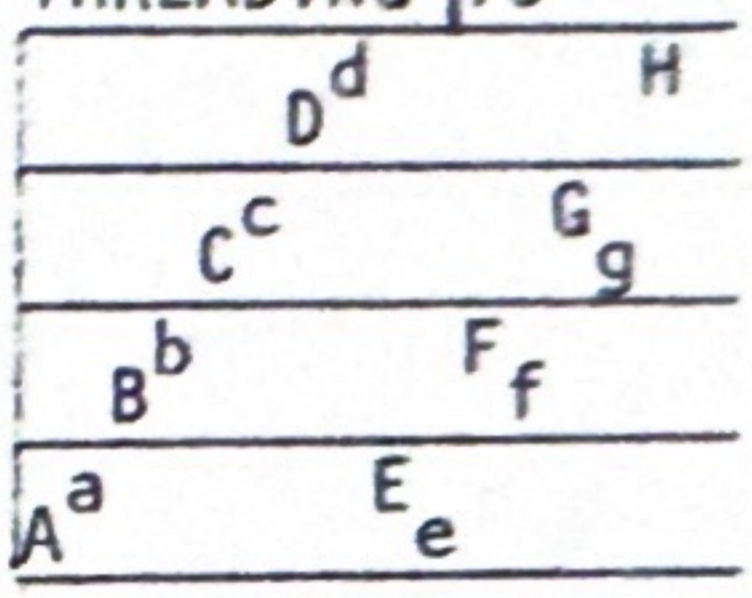
TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1. Tromp as writ.	Same as threading.
2. 12345678 21436587	ABCD EFGH
3. 12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4. 12345678 214365 878 563412 87654321 7856 343 6587	ABCD EFG HH GFE DCBA HG F GH
5. 12345678 21436587 121 78563412 87654321 785634 121 436587	ABCD EFGH AA HGFE DCBA HGF E FGH
6. 121 78563436587	AA HGFGH
7. 12345678 2143412 87654321 787	ABCD EFFE DCBA H
8. 12345678 21436563412 87654321 7856587	ABCD EFGGFE DCBA HGH
9. 123456 787 654321 785634 121 436587	ABC DD CBA HGF E FGH
10. 785634 121 436587 121	HGF E FGH AA
11. 78x2 56x3 34x2 12121 43x2 65x3 87x2 121	HH GGG FF EE FF GGG HH AA
12. 876543 212 345678 212	Not SHWV. Interlacement.
13. 78563412 878 21436587 1234321	HGFE D EFGH ABBA
14. 7856 34x2 12x2 8787878 21x2 43x2 6587 12x2 34343 21x2	HG FF EE DDD EE FF GH AA BBB AA
15. 78563412 8765678 21436587 1234 565 4321	HGFE DCD EFGH AB CC BA

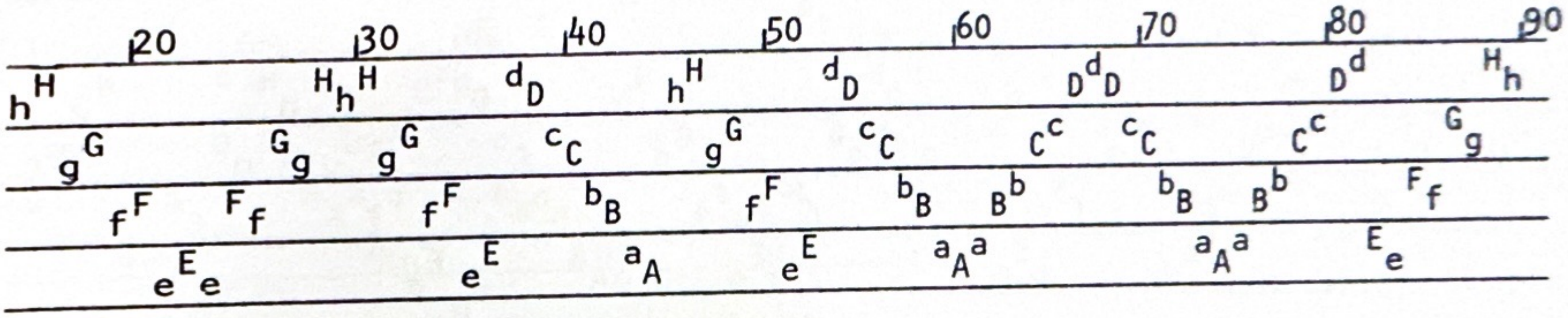
8-8 SHADOW WEAVE. Extended point twill development. 90 nds.

PROFILE


A B
C D
E F
G HH G
F E F
G HH G
B A
D C
F E
H G
D C
B A B
C DD C
F E
B A B
C D
E F
G H

THREADING 10

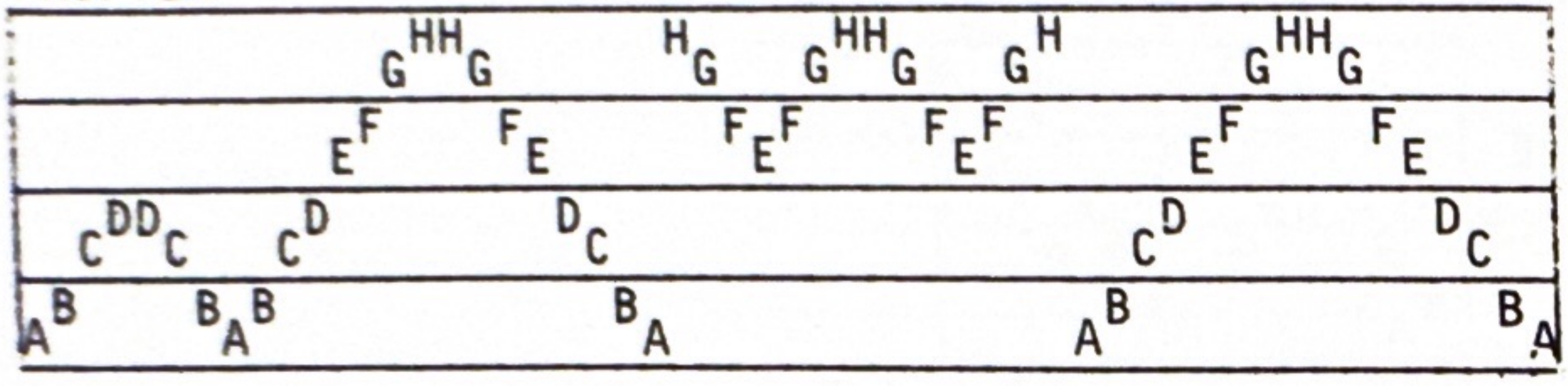

A a
B b
C c
D d
E e
F f
G g
H


20
30
40
50
60
70
80
90

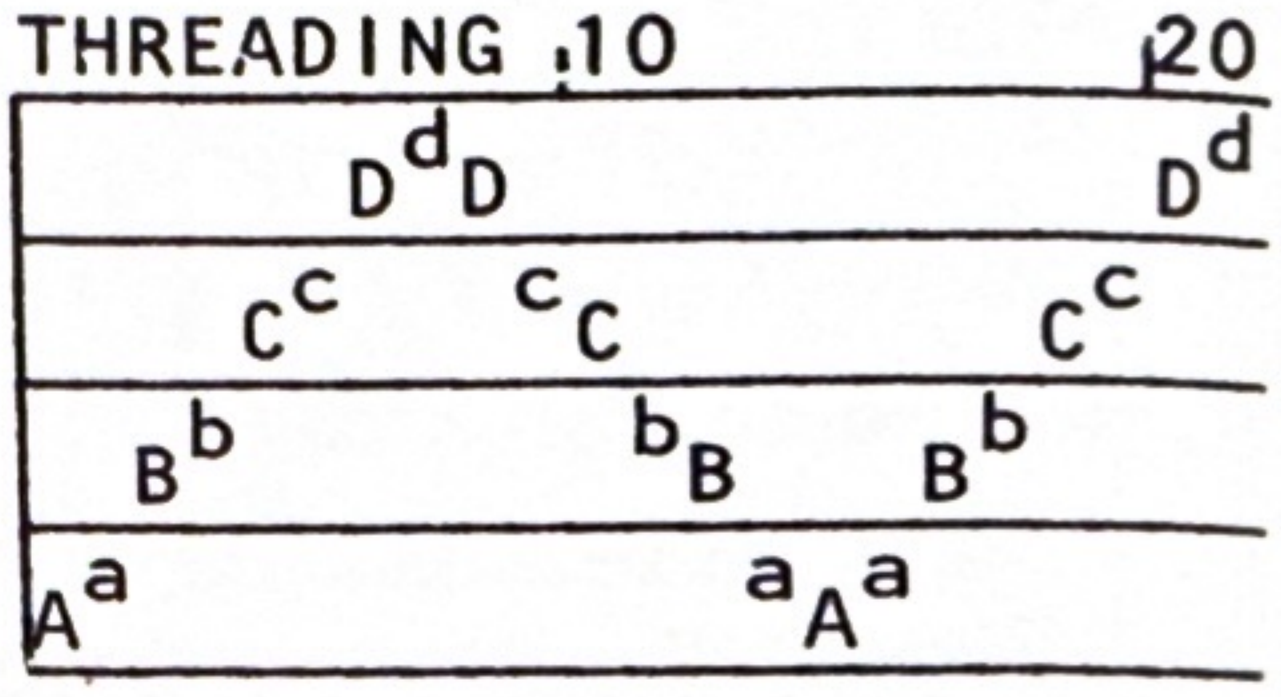
TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designationa.
1. Tromp as writ.	Same as threading.
2. 12345678 21436587	ABCD EFGH
3. 12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4. 12345678 21436587 12345678 214365 878 563412 87654321 78563412 8765432	ABCD EFGH ABCD EFG HH GFE DCBA HGFE DCB
5. 12345678 212 8765432	ABCD E DCB
6. 121 78563412 878 21436587	AA HGFE D EFGH
7. 1234 5678 21436587 85634 121 4365 878 564512 8765432	ABCD EFGH HGF E FG HH GFED CB
8. 78563412 8765432 123456 787 654321234 56 78 2143658	HGFE DCB ABC CD CBABCD EFGH
9. 121 78563412 8765678 21436587	AA HGFE DCD EFGH
10. 121 78563412 8765 434 5678 21436587	AA HGFE DC BCD EFGH
11. 121 7856 343 6587	AA HG F GH
12. 12121 78x2 56 34x2 1212121 43x2 65 87x2	AAA HH G FF EEE FF G HH

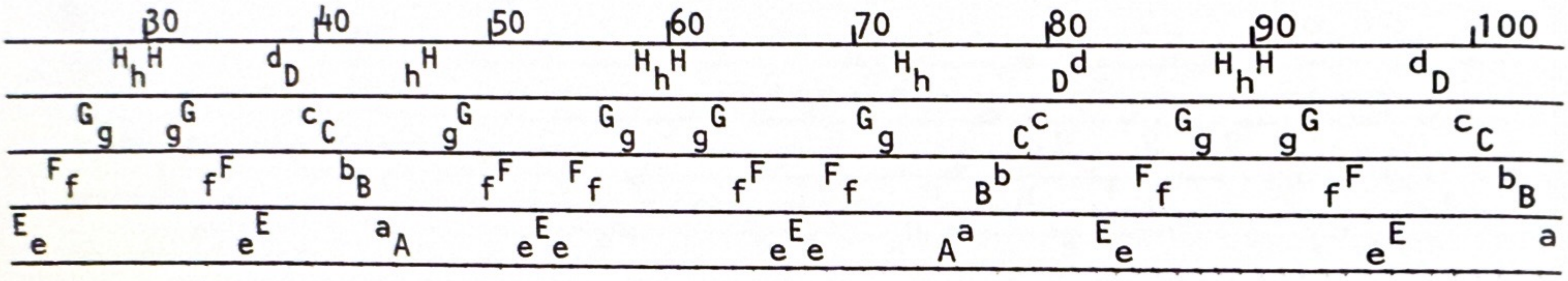
8-9 SHADOW WEAVE. Extended point twill development 104 nds.

PROFILE



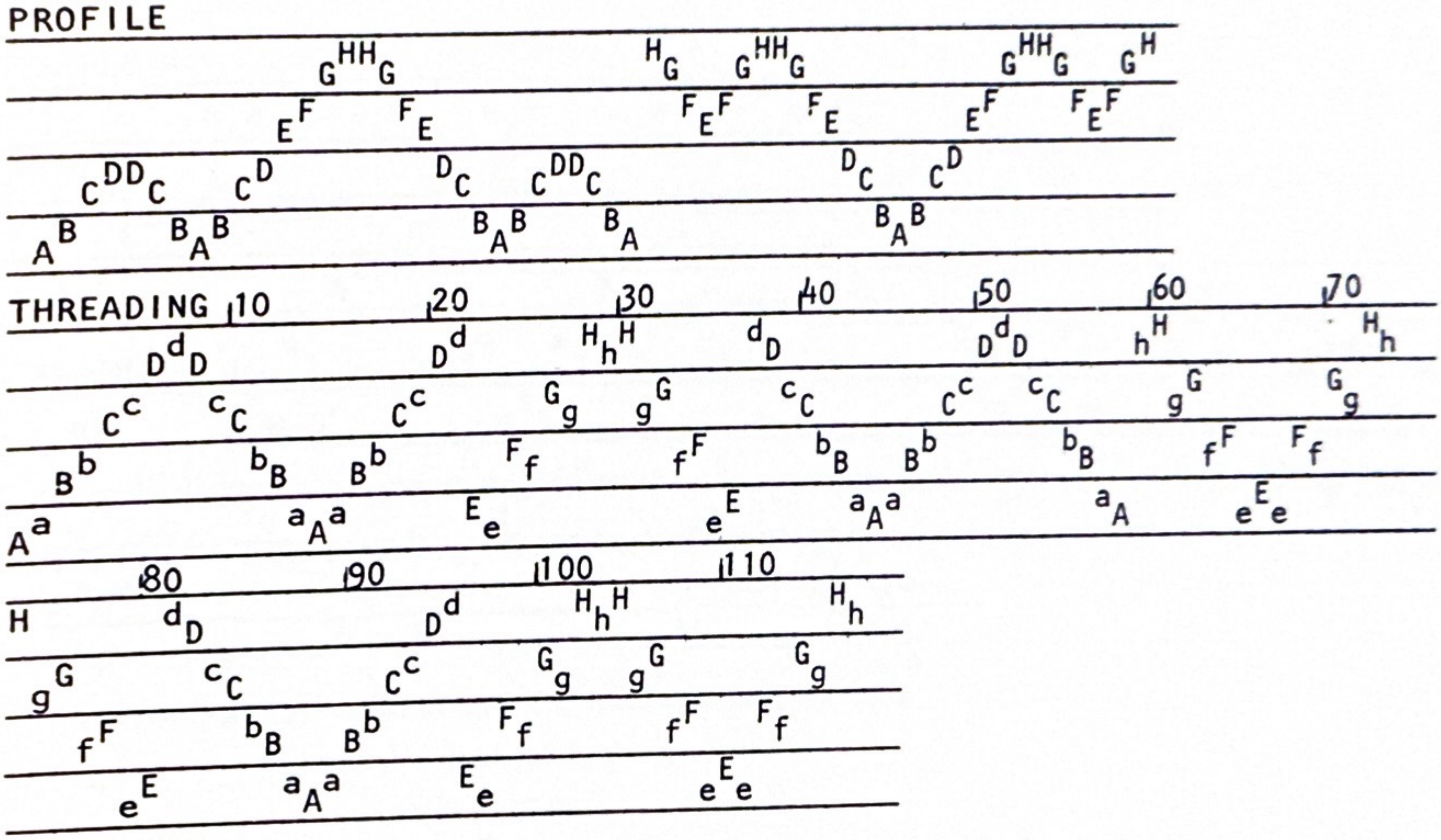
THREADING





TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	12345678 214365 878 563412 87654321 21436587 123456 787 654321 78563412	ABCD EFG HH GFE DCBA EFGH ABC DD CBA HGFE
5.	1234 565 4321 2	AB CC BA
6.	123456 787 654321 785634 121 436587 85634 121 436587	ABC DD CBA HGF E FGH HGF E FGH
7.	123456 787 65432123456 787 654321 785634 121 436587 85634 121 436587	ABC DD CBABC DD CBA FGH E FGH HGF E FGH
8.	123456 787 65432123456 787 654321 214365 878 56341214365 878 563412	ABC DD CBABC DD CBA DEF GG FEDEF GG FED
9.	12x2 34x2 56x2 78787 65x2 43x2 21x2 78x2 56x2 34x2 12121 43x2 65x2 87x2	AA BB CC DDD CC BB AA HH GG FF EE FF GG HH
10.	12x2 345678 21x2 43434 12x2 876543 21x2 7878787	AA BCD EE FFF EE DCB AA HHH
11.	12 87x2 65x3 43x2 212 34x2 56x3 78787	Not SHWV. interlacement
12.	1234 565 4321 78563412 8765678 21436587	AB CC BA HGFE DCD EFGH

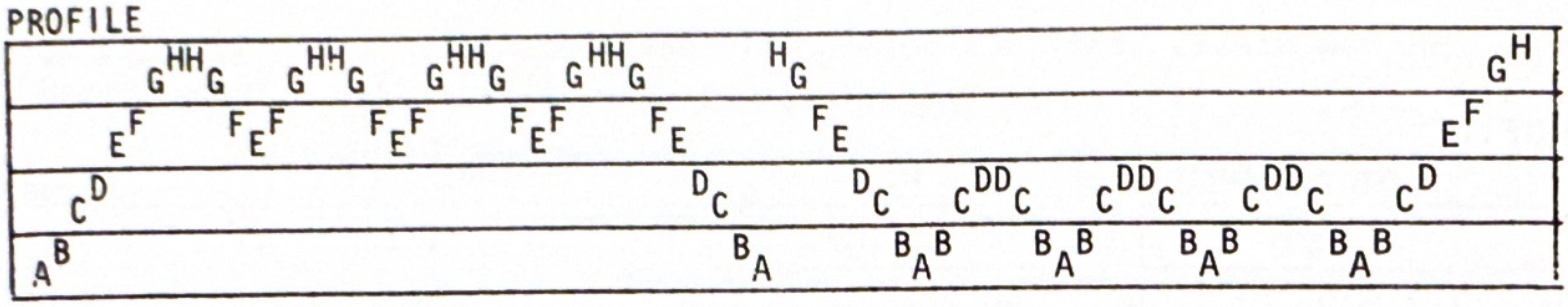
8-10 SHADOW WEAVE. Extended point twill development. 118 nds.



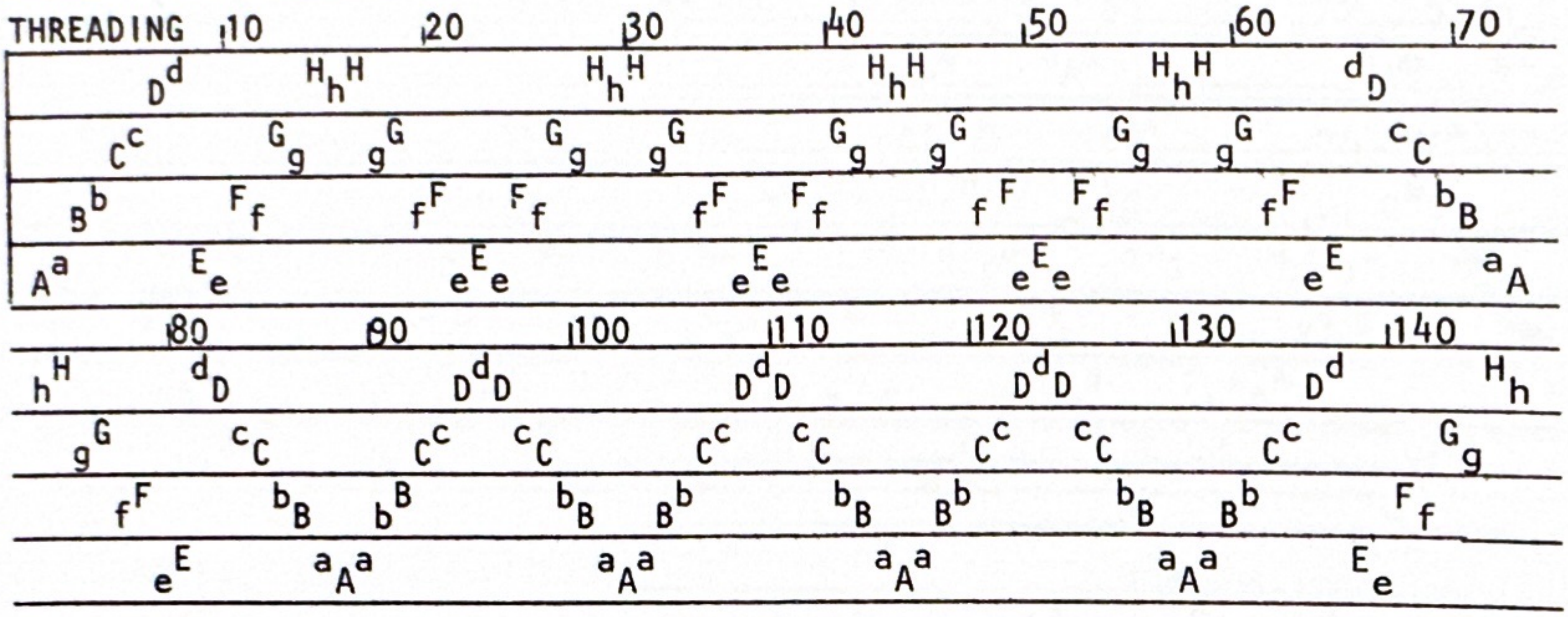
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	12345678 21436587 123456 787 654321 78563412 876543 2	ABCD EFGH ABC DD CBA HGFE DCB
5.	123456 787 6543 2	ABC DD CB
6.	12345678 214365 878 563412 87654321 78563436587	ABCD EFG HH GFE DCBA HG F GH
7.	12345678 21 43x2 65x2 87878 56x2 34x2 1287654321 78x2 56x2 3434343 65x2 87x2	ABCD E FF GG HHH GG FF EDCBA HH GG FFF GG HH
8.	12345678 21 434 12 87654321 21436587 1234321 7856341287	ABCD E FF E DCBA EFGH ABBA HGFED
9.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
10.	7856 343 658	HG F GH
11.	8765 4 5678	SWITCH interlacement.
12.	87654321 785634 121 436587 8563412 876543 212 345678 21436587 85634 121 436587 1234567	DCBA HGF E FGH HGFE DCB A BCD EFGH HGF E FGH ABCD

8-11 SHADOW WEAVE. Extended point twill development. 146 nds.

PROFILE



G HH G G HH G G HH G G HH G H G G H
E F F E F F E F F E F F E F E E F
C D D C D C C DD C C DD C C DD C C D
A B B A B A B B A B B A B B A B

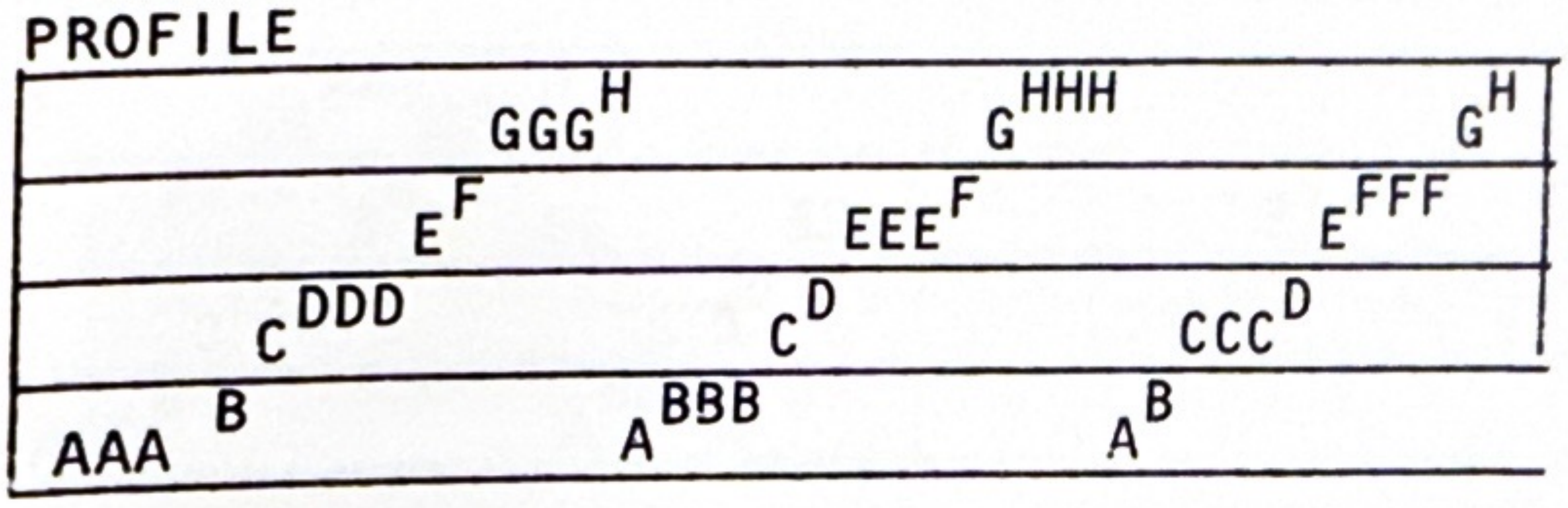


THREADING
10
20
30
40
50
60
70
D d H h H H h H H h H H h H d D
C c G g g G G g g G G g g G G g g G c C
B b F f f F F f f F F f f F F f f F b B
A a E e e E e e E e e E e e E a A
80
90
100
110
120
130
140
h H d D D d D D d D D d D D d H h
g G c C C c c C C c c C C c c C C c G g
f F b B b B b B B b b B B b b B B b F f
e E a A a a A a a A a a A a E e

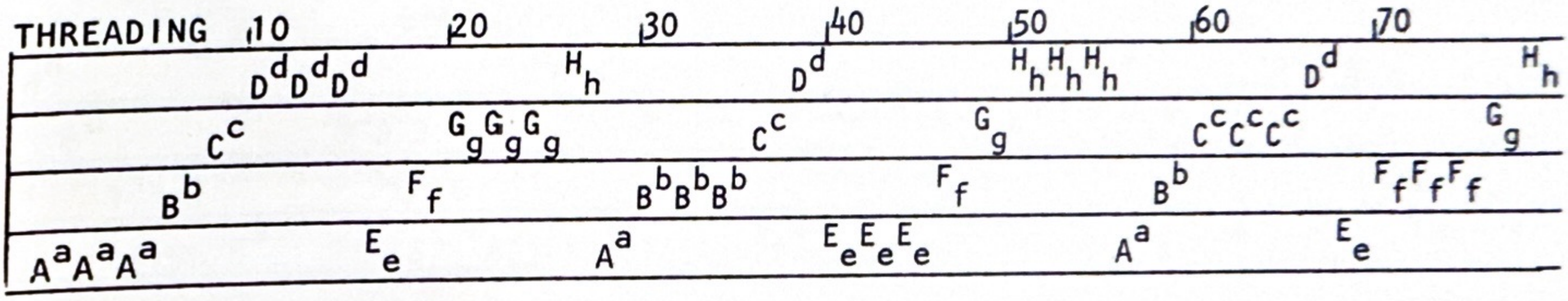
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	12345678 21436587 123456787654321 78563412 8765432	ABCD EFGH ABCDDCBA HGFE DCB
5.	12345678 21436587 12345678 214365 878 563412 87654321 78563412 8765432	ABCD EFGH ABCD EFG HH GFE DCBA HGFE DCB
6.	12345678 21436587 12345678 21436587 1234321 78563412 87654321 78563412 8765432	ABCD EFGH ABCD EFGH ABBA HGFE DCBA HGFE DCB
7.	12345678 21436587 12345678 21436587 12345654321 78563412 87654321 78563412 87654321 7856587	ABCD EFGH ABCD EFGH ABCCBA HGFE DCBA HGFE DCBA HGH
8.	12345678 21436587 12345678 21436587 123456 787 654321 78563412 87654321 78563412 87654321 78563436587	ABCD EFGH ABCD EFGH ABC DD CBA HGFE DCBA HGFE DCBA HGFGH
9.	785634 121 436587 85634 121 43658 785634 121 436587 123456 787 6543 2123456 787 6543212 3456 787 654321	HGF E FGH JHG E FGH HGF E FGH ABC DD CB ABC DD CBA BC DD CBA
10.	12345654321 78563412 8765678 21436587	ABCCBA HGFE DCD EFGH
11.	12x2 34x2 56565 43x2 21x2 785634 12x2 87x2 6565656 78x2 21x2 436587	AA BB CCC BB AA HGF EE DD CCC DD EE FGH
12.	123456 787 654321 78563412 878 21436587	ABC DD CBA HGFE D EFGH

8-12 SHADOW WEAVE. Asymmetrical development. 80 nds.

PROFILE


GGG H G HHH G H
E F EEE F E FFF
C DDD C D CCC D
AAA B A BBB A B

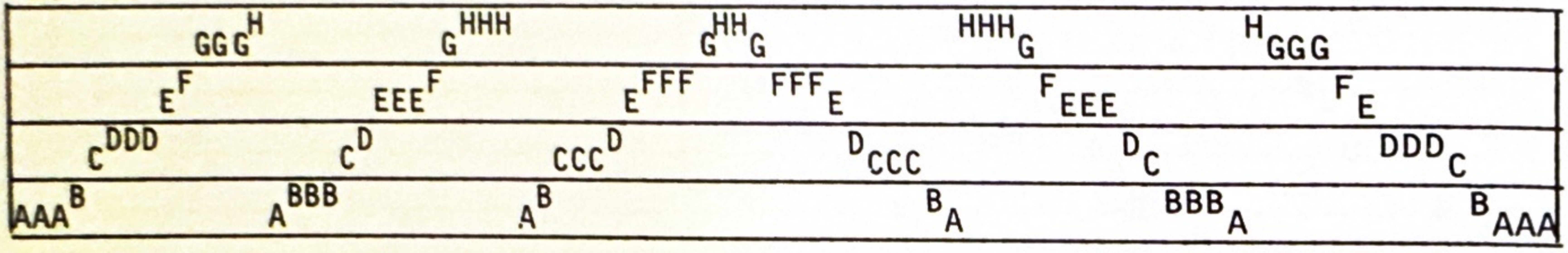
THREADING

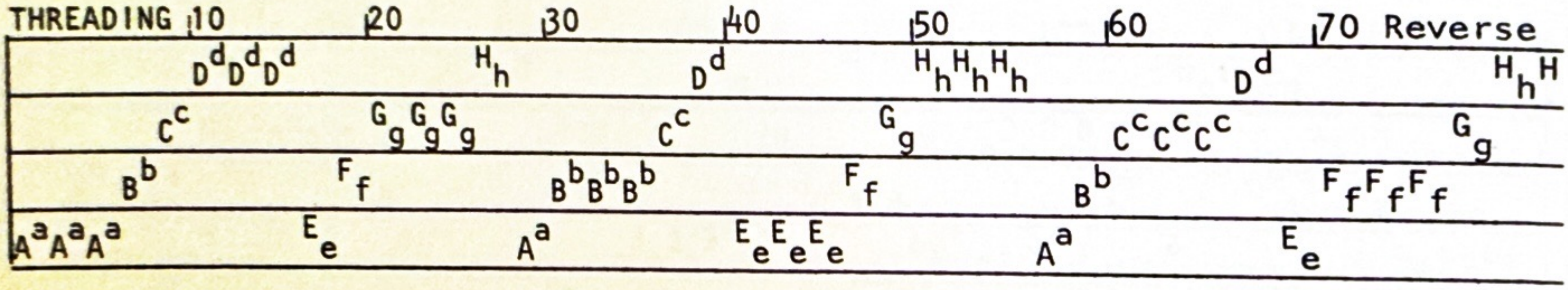

10 20 30 40 50 60 70
D d D d D d H h D d H h H h H h D d H h
C c G g G g G g C c G g C c C c C c G g
B b F f B b B b B b F f B b F f F f F f
A a A a A a E e A a E e E e E e A a E e

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 876543 212	ABCD EFG HH GFE DCBA
4.	12345678 21436587 121 78563412 87654321 785634 121 436587	ABCD EFGH AA HGFE DCBA HGF E FGH
5.	12345678 21436587 1234321 78563412 87654321 78563412 878 21436587	ABCD EFGH ABBA HGFE DCBA HGFE D EFGH
6.	123456 787 878 563412	ABC DD HH GFE
7.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
8.	787 654321 785634 121 436587 123456 787 878 563412 876543 212 345678 214365 878	DD CBA HGF E FGH ABC DD HH GFE DCB A BCD EFG HH
9.	12 343 21 787	A BB A H--Rotation
10.	123456 787 65432	ABC DD CB--Rotation
11.	876543 212 34567	Switch Rotation
12.	123456 345678 567821 782143 214365 436587 6587 121 7856 785634 563412 341287 128765 876543 6543 2	ABC BCD CDE DEF EFG FGH GH AA HG HGF GFE FED EDC DCB CB

8-13 SHADOW WEAVE. Developed from 8-12 154 nds.

PROFILE


GGG H G HHH G HH G HHH G H GGG
E F EEE F E FFF FFF E F EEE F E
C DDD C D CCC D D CCC D C DDD C
AAA B A BBB A B B A BBB A B AAA

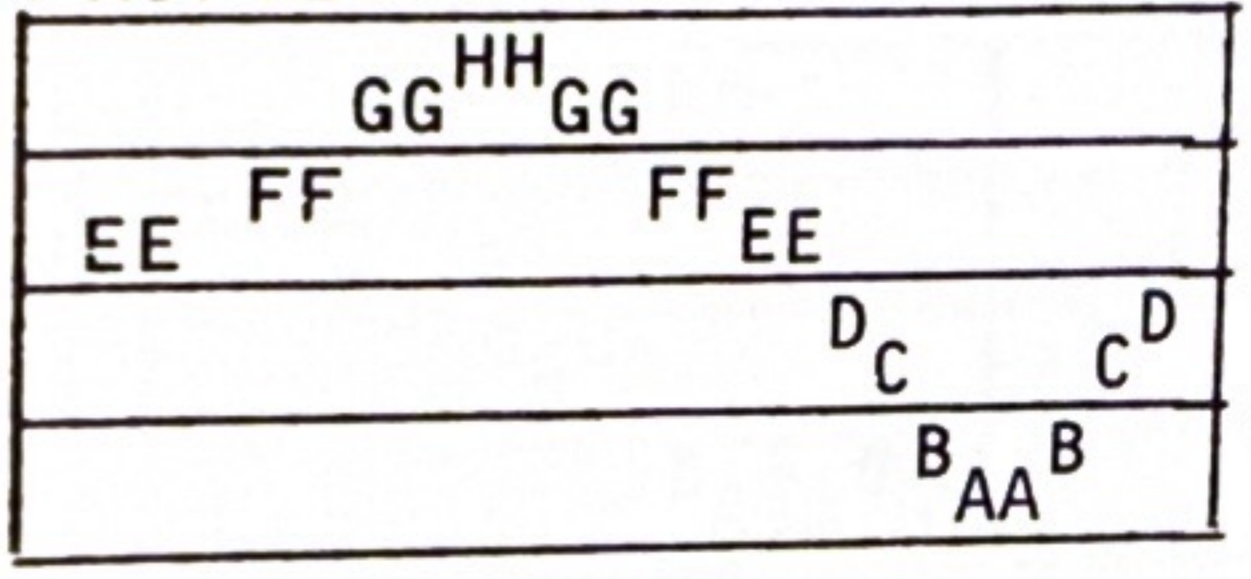

THREADING
10
20
30
40
50
60
70 Reverse
D d D d D d H h D d H h H h H h D d H h H
C c G g G g G g C c G g C c C c C c G g
B b F f B b B b B b F f B b F f F f F f
A a A a A a E e A a E e E e E e A a E e

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\underline{8}7$	ABCD EFGH
3.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\underline{2}1\underline{4}3\underline{6}5\ \underline{8}7\underline{8}$ $5\underline{6}3\underline{4}1\underline{2}\ 8\underline{7}6\underline{5}4\underline{3}\ 2$	ABCDEFG HH GFE DCB
4.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\underline{8}7\ \underline{1}21\ 7\underline{8}5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2\underline{1}\ 7\underline{8}5\underline{6}3\underline{4}\ 1\underline{2}1\ \underline{4}3\underline{6}5\underline{8}7$	ABCD EFGH AA HGFE DCBA HGF E FGH
5.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\underline{8}7\ \underline{1}2\underline{3}4\underline{3}2\underline{1}\ 7\underline{8}5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2\underline{1}\ 7\underline{8}5\underline{6}3\underline{4}1\underline{2}\ 8\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\underline{8}7$	ABCD EFGH ABBA HGFE DCBA HGFE D EFGH
6.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{7}8\underline{7}\ \underline{8}7\underline{8}\ 5\underline{6}3\underline{4}1\underline{2}$	ABC DD HH GFE
7.	$\underline{7}8\underline{7}\ 6\underline{5}4\underline{3}2\underline{1}\ 7\underline{8}5\underline{6}3\underline{4}\ 1\underline{2}1\ \underline{4}3\underline{6}5\underline{8}7\ \underline{1}2\underline{3}4\underline{5}6\ \underline{7}8\underline{7}$ $\underline{8}7\underline{8}\ 5\underline{6}3\underline{4}1\underline{2}\ 8\underline{7}6\underline{5}4\underline{3}\ 2\underline{1}2\ \underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\ \underline{8}7\underline{8}$	DD CBA HGF E FGH ABC DD HH GFE DCB A BCD EFG HH
8.	$\underline{1}2\ \underline{3}4\underline{3}\ 2\underline{1}\ 7\underline{8}7$	A BB A H--Rotation
9.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{7}8\underline{7}\ 6\underline{5}4\underline{3}\ 2$	ABC DD CB--Rotation
10.	$\underline{8}7\underline{6}5\underline{4}3\ \underline{2}1\underline{2}\ 3\underline{4}5\underline{6}7$	Switch interlacement
11.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{3}4\underline{5}6\underline{7}8\ \underline{5}6\underline{7}8\underline{2}1\ \underline{7}8\underline{2}1\underline{4}3\ \underline{2}1\underline{4}3\underline{6}5$ $\underline{4}3\underline{6}5\underline{8}7\ \underline{6}5\underline{8}7\ 12\underline{1}\ 7\underline{8}5\underline{6}\ 7\underline{8}5\underline{6}3\underline{4}\ 5\underline{6}3\underline{4}1\underline{2}$ $3\underline{4}1\underline{2}8\underline{7}\ 1\underline{2}8\underline{7}6\underline{5}\ 8\underline{7}6\underline{5}4\underline{3}\ 6\underline{5}4\underline{3}\ 2$	ABC BCD CDE DEF EFG FGH GH AA HG HGF GFE FED EDC DCB CB

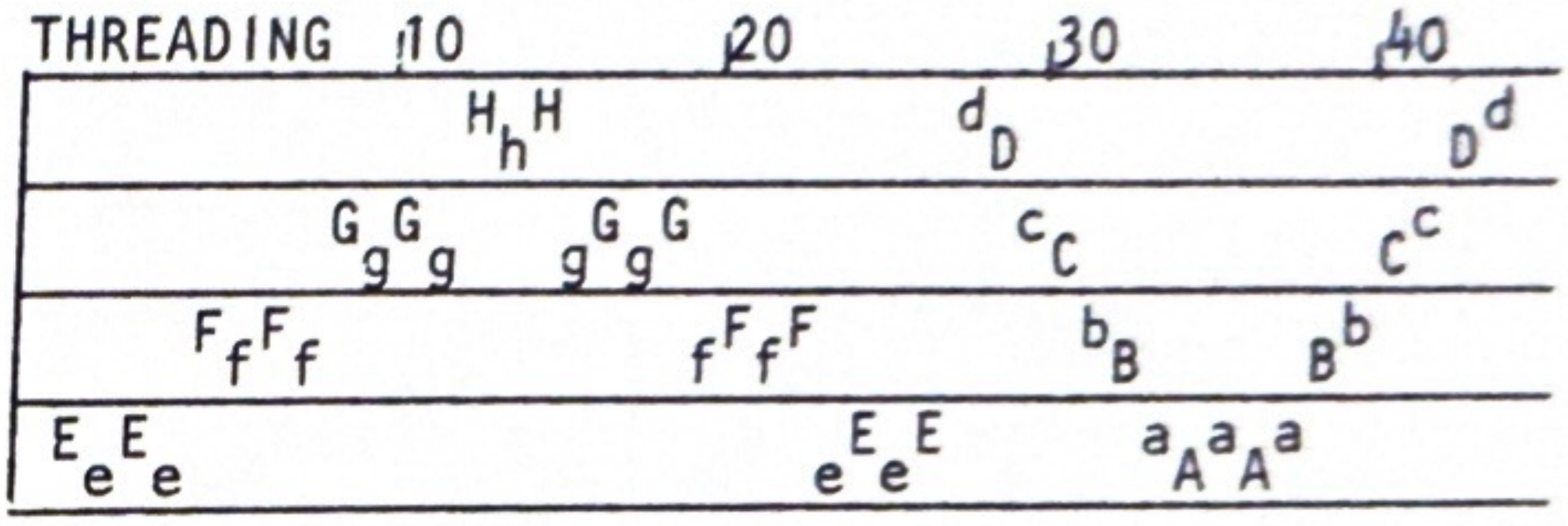
8-14 SHADOW WEAVE

44 nds.

PROFILE



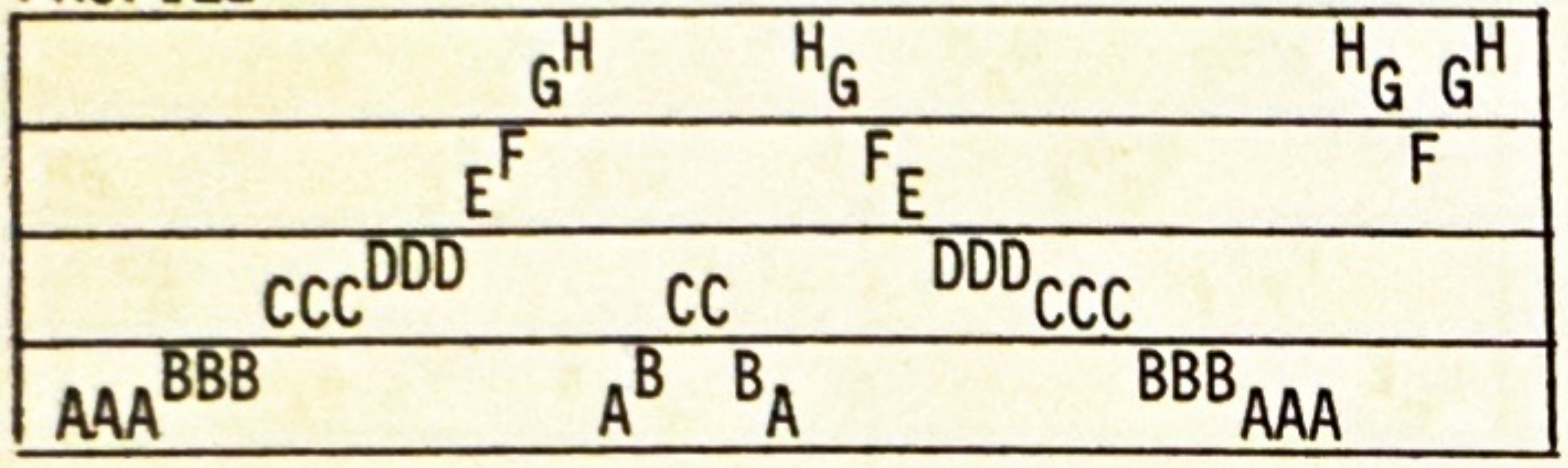
THREADING



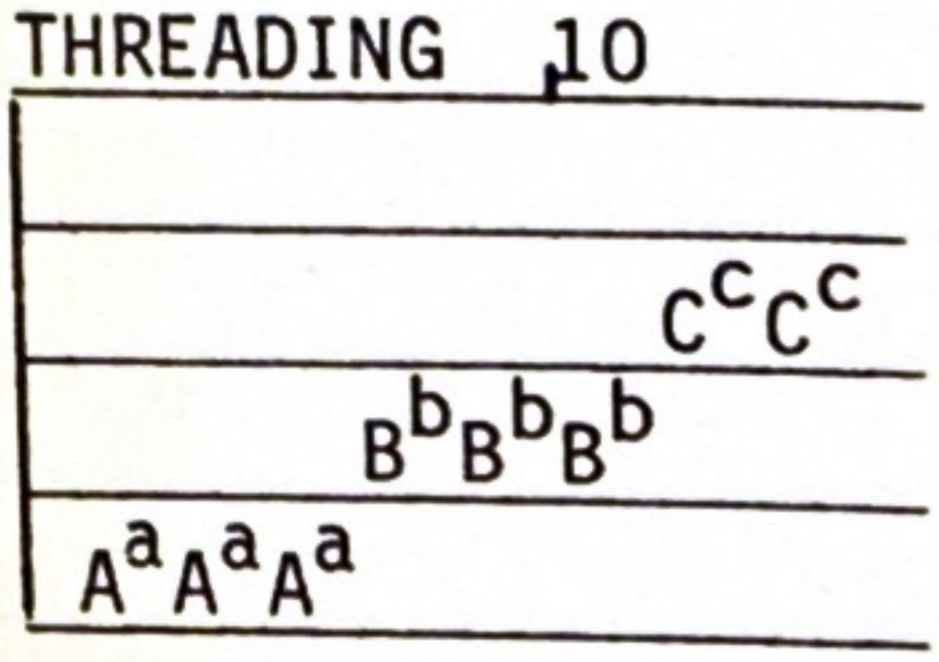
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designationa.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 876543 2	ABCD EFG HH GFE DCB
4.	345678 21436587 121 78563412 87654	BCD EFGH AA HGFE DCB
5.	345678 21x2 43x2 65x2 87x2 121 78x2 56x2 34x2 12x2 87654	BCD EE FF GG HH AA HH GG FF EE DCB
6.	43434 56x2 78x2 21436587 121 78563412 87x2 65x2	BBCC DD EFGH AA HGFE DD CC
7.	12345678 214365 878 563412 87654321 7856 343 6587	ABCD EFG HH GFE DCBA HG F GH
8.	121 78563412 87s2 65x2 32x2 43x2 65x2 87x2 12345678 212	AA HGFE DD CC BB FF GG HH ABCD EE
9.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
10.	8 78x2 67x2 34x2 12121 43x2 65x2 87x2 8 787 6543 212 3456 787	HHH GG FF EE FF GG HHH DD CB A BC DD
11.	878 21 434 12	D C FF E--Rotation
12.	1234 565 432	AB C B--Rotation

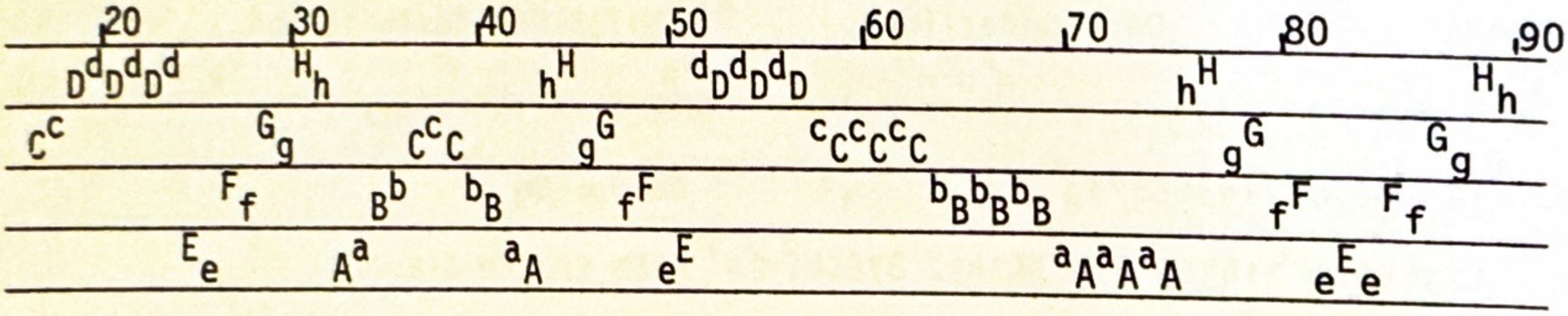
8-15 SHADOW WEAVE. Undulating development. 90 nds.

PROFILE


G H H G H G G H
E F F E F
CCC DDD CC DDD CCC
AAA BBB A B B A BBB AAA

THREADING

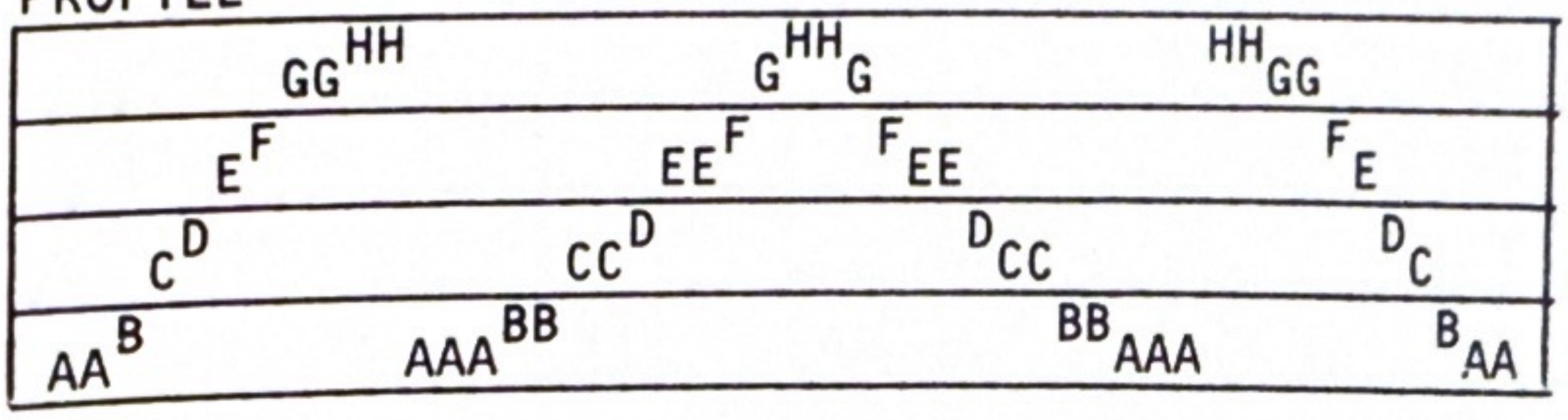

10
C c C c
B b B b B b
A a A a A a


20
30
40
50
60
70
80
90
D d D d D d
H h
h H
d D d D d D
h H
H h
C c
G g
C c C
g G
c C c C c C
g G
G g
F f
B b
b B
f F
b B b B b B
f F
F f
E e
A a
a A
e E
a A a A a A
e E e

	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	12345678 21436587 123456 787 654321 78563412 8765432	ABCD EFGH ABC DD CBA HGFE DCB
5.	12x2 34x3 56x3 78x3 21436587 123456 787 654321 78563412 87x3 65x3 43x3 2	AAA BBB CCC DDD EFGH ABC DD CBA HGFE DDD CCC BBB
6.	12345678 21x3 43x3 65x3 87x3 123456 787 654321 78x3 56x3 34x3 12x3 8765432	ABCD EEE FFF GGG HHH ABC DD CBA HHH GGG FFF EEE DCB
7.	12345678 21436587 123456 787 654321 78563412 87654321 21436587 12345678 214365 878 563412 78563412	ABCD EFGH ABC DD CBA HGFE DCBA EFGH ABCD EFG HH GFE DCBA HGFE
8.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
9.	87654321 78 565 87 12345678 78563412 87 656 78 21436587	Not Shadow Weave interlacement.
10.	123456 787 65432	ABC DD CB--Rotation
11.	12 343 21 787	ABBA H--Rotation
12.	12345678 21436587 12345678 214365 878 563412 87654321 78563412 87654321 785634 121 436587	ABCD EFGH ABCD EFG HH GFE DCBA HGFE DCBA HGF E FGH

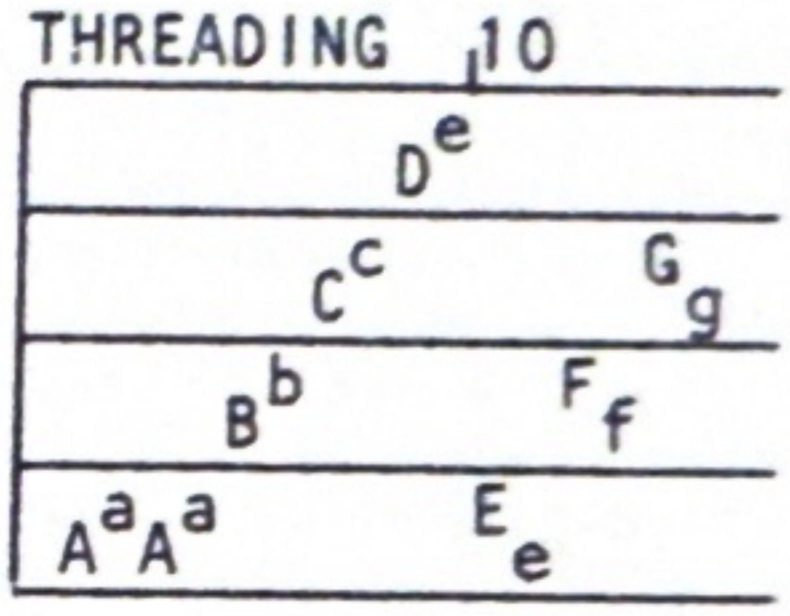
8-16 SHADOW WEAVE. Undulating development. 92 nds.

PROFILE

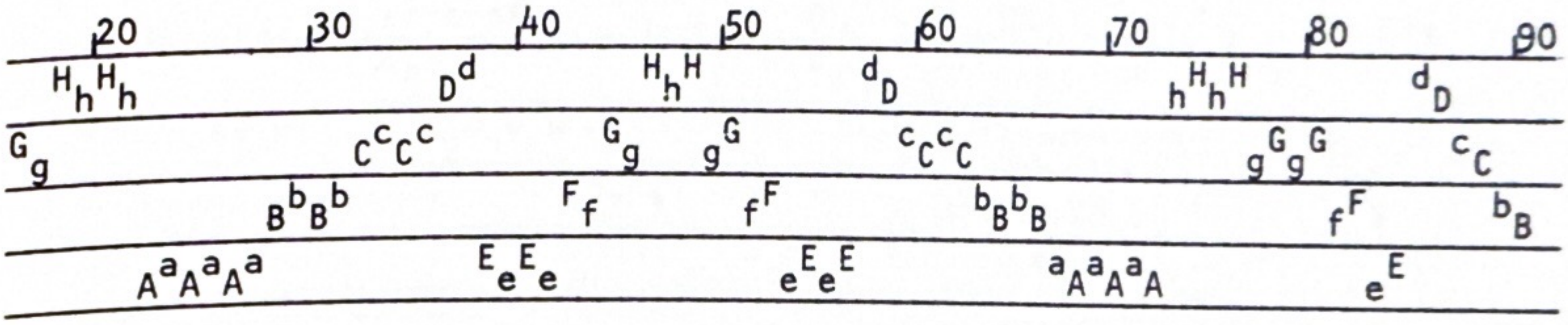


GG HH G HH G HH GG
E F EE F F EE F E
C D CC D D CC D C
AA B AAA BB BB AAA B AA

THREADING



10
D e
C c G g
B b F f
A a A a E e



20 30 40 50 60 70 80 90
H h H h D d H h H d D h H h H d D
G g C c C c G g g G c C c C g G g G c C
B b B b F f f F b B b B f F b B
A a A a A a E e E e e E e E a A a A a A e E

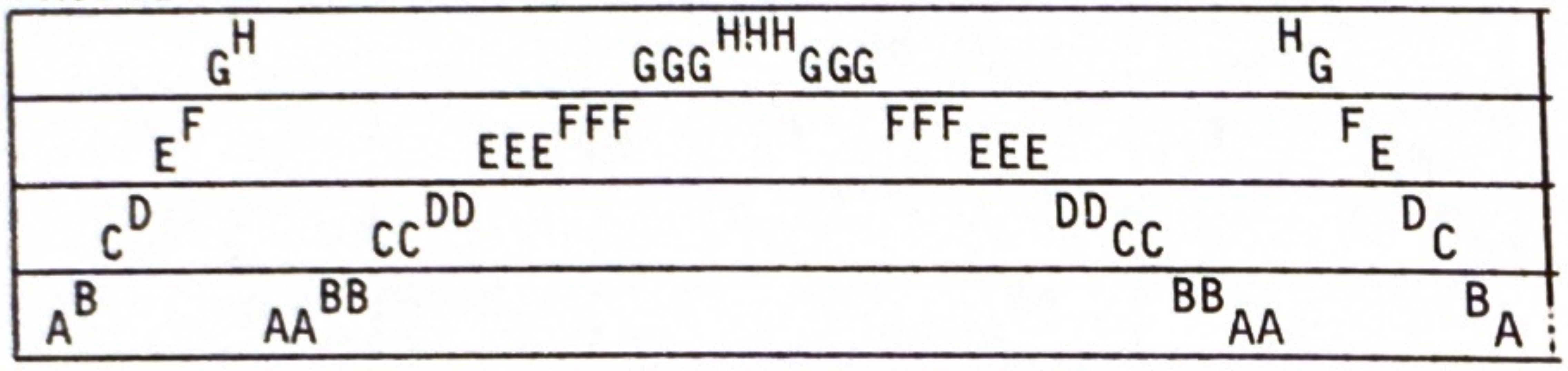
TREADLE NUMBERS. Dark underlined. UNIT-BLOCK designations.

1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12x2 34x2 56x2 78x2 21x2 43x2 65x2 878 56x2 34x2 12x2 87x2 65x2 43x2	AA BB CC DD EE FF GG HH GG FF EE DD CC BB
4.	12345678 21436587 123456 787 654321 78563412 8765432	ABCD EFGH ABC DD CBA HGFE DCB
5.	78563412 87654321 78563412 876543 212 345678 21436587 12345678 214365 8	HGFE DCBA HGFE DCB A BCD EFGH ABCD EFGH
6.	12345678 2143 65x2 87x2 12x3 34x2 56x2 78 21x2 436587	ABCD EF GG HH AAA BB CC D EE FGH
7.	12345678 21436587 123456 787 878 563412 87654321 78563412	ABCD EFG ABC DD HH GFE DCBA HGFE
8.	123456 787 6543 2	ABC DD CB--Rotation
9.	123456 787 65432	Switch interlacement.
10.	121 343 565 787 212 434 212 787 565 343 121 878	Novelty treadling
11.	34 565 4	B CC--Rotation
12.	12345678 214365 878 563412 87654321 7856 343 6587	ABCD EFG HH GFE DCBA HG F GH

8-17 SHADOW WEAVE. Undulating development

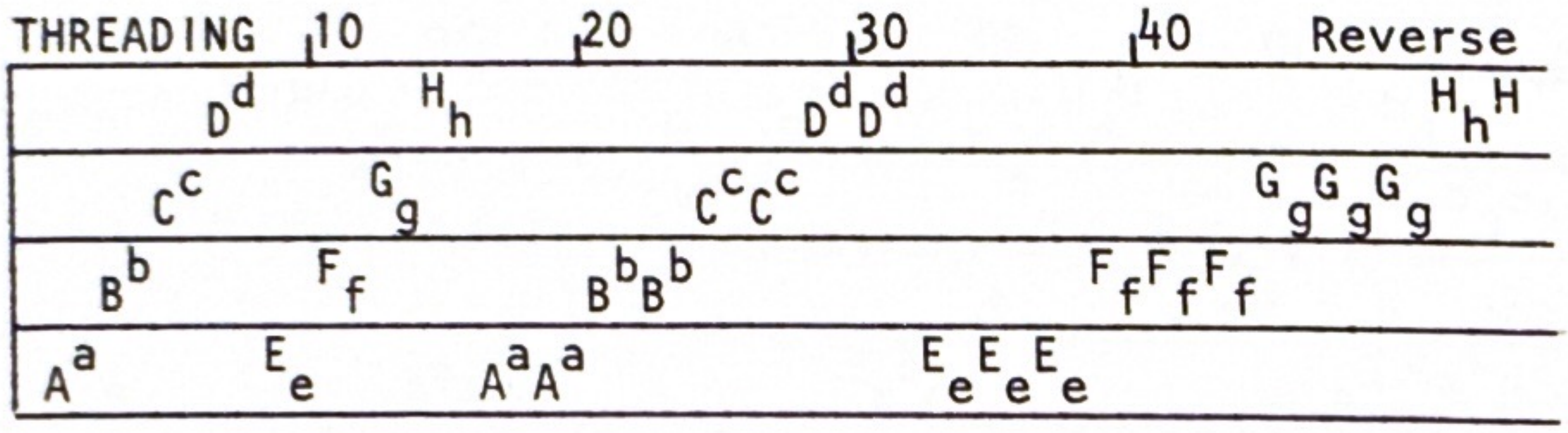
106 nds.

PROFILE



G H GGG HHH GGG H G
E F EEE FFF FFF EEE F E
C D CC DD DD CC D C
A B AA BB BB AA B A

THREADING

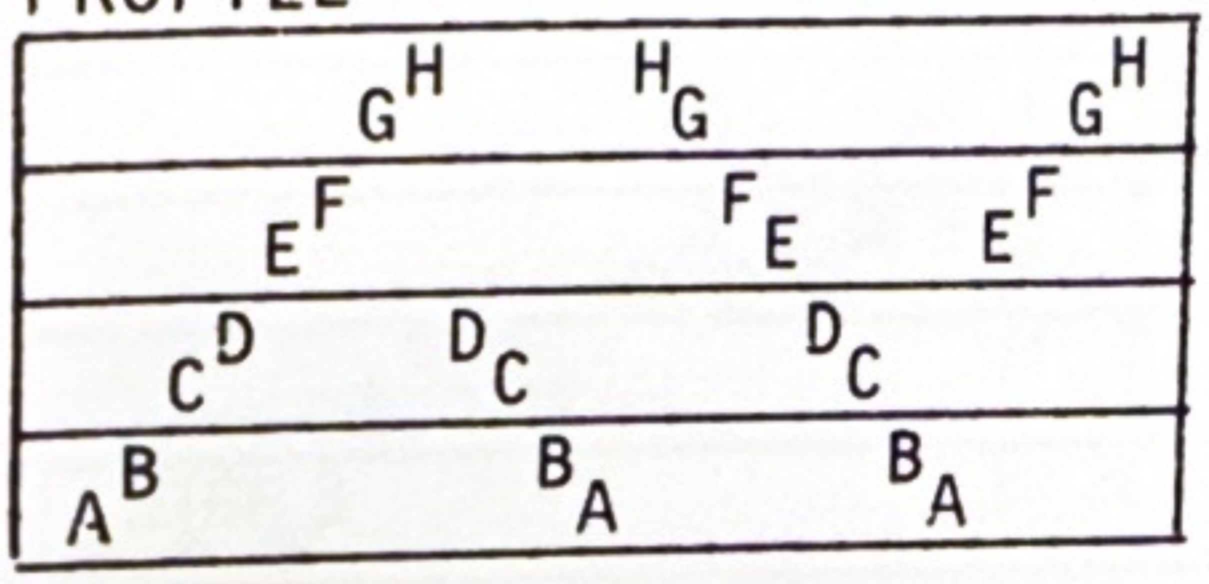


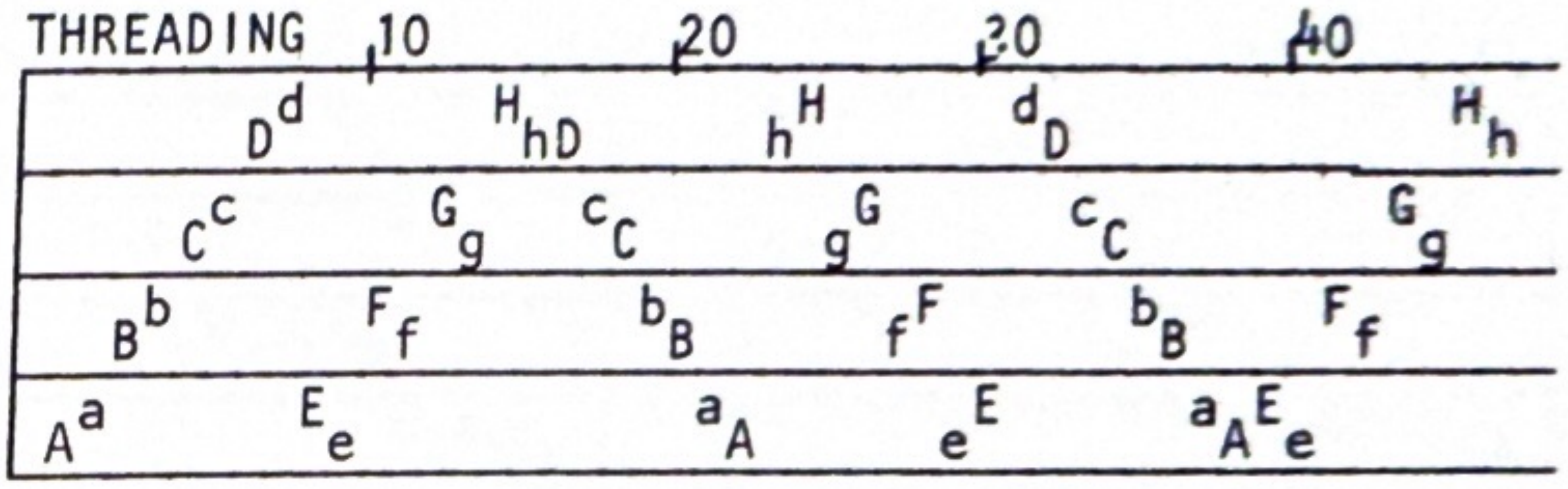
10
20
30
40
Reverse
D d H h D d D d H h H
C c G g C c C c G g G g G g
B b F f B b B b F f F f F f
A a E e A a A a E e E e E e

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	21436587 123456 787 654321 78563412 1	EFGH ABC DD CBA HGFE
5.	12x2 34x2 56x2 78x2 214365 878 563412 87x2 65x2 43x2 2	AA BB CC DD EFG HH GFE DD CC BB
6.	21436587 12345678 21436587 123456 787 654321 78563412 87654321 7856341	EFGH ABCD EFGH ABC DD CBA HGFE DCBA HGF
7.	436587 12345678 21436587 12345678 212 87654321 78563412 87654321 78563	FGH ABCD EFGH ABCD EE DCBA HGFE DCBA HG
8.	12345678 21436587 123456 787 878 563412 87654321 78563412	ABCD EFGH ABC DD HH GFE DCBA HGFE
9.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
10.	878 563412 87x2 65x2 43x2 21212 34x2 56x2 78x2 214365 878 787 654321 78x2 56x2 34x2 12121 43x2 65x2 87x2 123456 787	HH GFE DD CC BB AA BB CC DD EFG HH DD CBA HH GG FF EE FF GG HH ABC DD
11.	3456 787 654	BC DD C--Rotation
12.	2143 656 34 1	EF GG F--Rotation

8-18 SHADOW WEAVE. Opposites development. 47 nds.

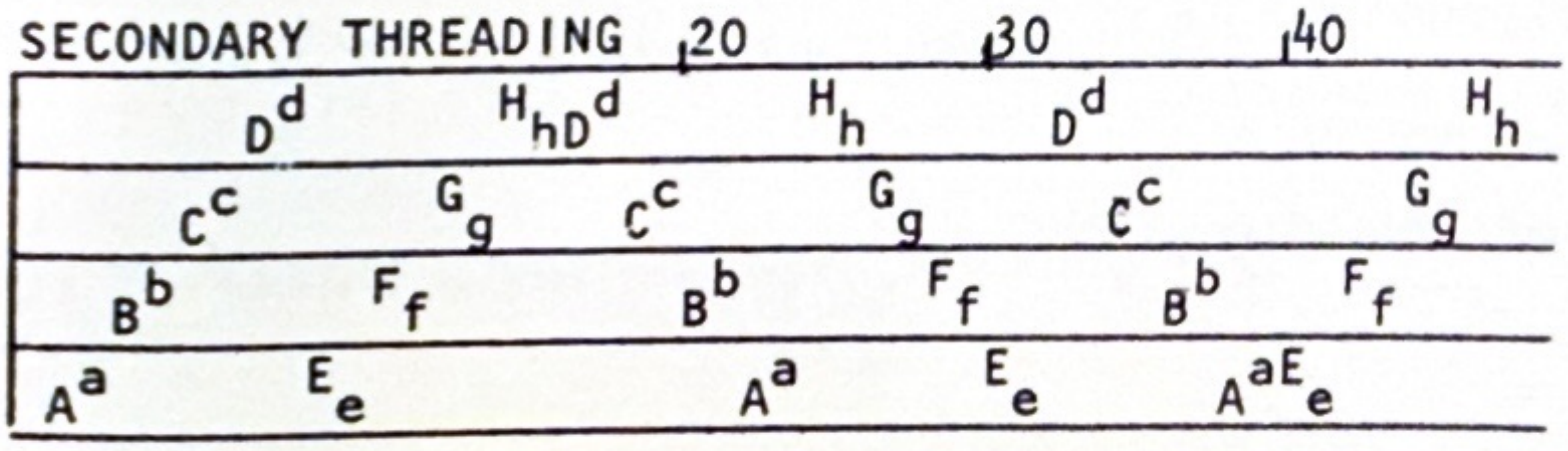
PROFILE





TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\underline{8}7$	ABCD EFGH
3.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\ \underline{8}7\underline{8}\ 5\underline{6}3\underline{4}1\underline{2}\ 8\underline{7}6\underline{5}4\underline{3}2$	ABCD EFG HH GFE DCB
4.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\ \underline{8}7\underline{8}\ 5\underline{6}3\underline{4}1\underline{2}\ 8\underline{7}6\underline{5}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7\ \underline{1}2\underline{3}4\underline{5}6\ \underline{7}8\underline{7}\ 6\underline{5}4\underline{3}2\underline{1}\ 7\underline{8}5\underline{6}3\underline{4}1\underline{2}$	ABCD EFG HH GFE DCBA DEFG ABC DD CBA GFED
5.	$\underline{1}2\underline{3}4\underline{5}6\ \underline{7}8\underline{7}\ 6\underline{5}4\underline{3}2\underline{1}$ $\underline{2}1\underline{4}3\underline{6}5\ \underline{8}7\underline{8}\ 5\underline{6}3\underline{4}1\underline{2}$	ABC DD CBA EFG HH GFE
6.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\underline{4}3\underline{6}5\underline{8}7\ \underline{1}2\underline{3}4\underline{5}6\underline{7}8\underline{7}$ $\underline{8}7\underline{8}5\underline{6}3\underline{4}1\underline{2}\ 8\underline{7}6\underline{5}4\underline{3}2\underline{1}\ 7\underline{8}5\underline{6}3\underline{4}1\underline{2}$	ABCD EFGH ABC DD HH GFE DCBA HGFE
7.	$1\underline{3}2\underline{3}\ 1\underline{4}2\underline{4}$	Summer & Winter treadling.
8.	$\underline{1}2\underline{3}2\underline{1}\ 7\underline{8}7$	ABA H--Rotation
9.	$\underline{5}6\underline{7}8\underline{2}1\ \underline{4}3\underline{4}\ 1\underline{2}8\underline{7}6$	CDE FF EDC--Rotation
10.	$\underline{1}2\text{x}2\ \underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\text{x}2\ \underline{4}3\underline{4}3\underline{4}$ $1\underline{2}\text{x}2\ 8\underline{7}6\underline{5}4\underline{3}\ 2\underline{1}\text{x}2\ 7\underline{8}7\underline{8}7\underline{8}7$	AA BCD EE FFF EE DCB AA HHH
11.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8\ \underline{2}1\ \underline{4}3\text{x}2\ \underline{6}5\text{x}2\ \underline{8}7\underline{8}7\underline{8}\ 5\underline{6}\text{x}2\ 3\underline{4}\text{x}2$ $1\underline{2}\ 8\underline{7}6\underline{5}4\underline{3}2\underline{1}\ 7\underline{8}\text{x}2\ 5\underline{6}\text{x}2\ 3\underline{4}3\underline{4}3\underline{4}3\ \underline{6}5\text{x}2\ \underline{8}7\text{x}2$	ABCD E FF GG HHH GG FF E DCBA HH GG FFF GG HH
12.	$\underline{1}2\text{x}3\ \underline{3}4\text{x}2\ \underline{5}6\ \underline{7}8\text{x}2\ \underline{2}1\underline{2}\ 8\underline{7}\text{x}2\ 6\underline{5}\ 4\underline{3}\text{x}2\ 2\underline{1}\text{x}3$ $\underline{2}1\text{x}3\ \underline{4}3\text{x}2\ \underline{6}5\ \underline{8}7\text{x}2\ \underline{1}2\underline{1}\ 7\underline{8}\text{x}2\ 5\underline{6}\ 3\underline{4}\text{x}2\ 1\underline{2}\text{x}3$	AAA BB C DD EE DD C BB AAA EEE FF G HH AA HH G FF EEE

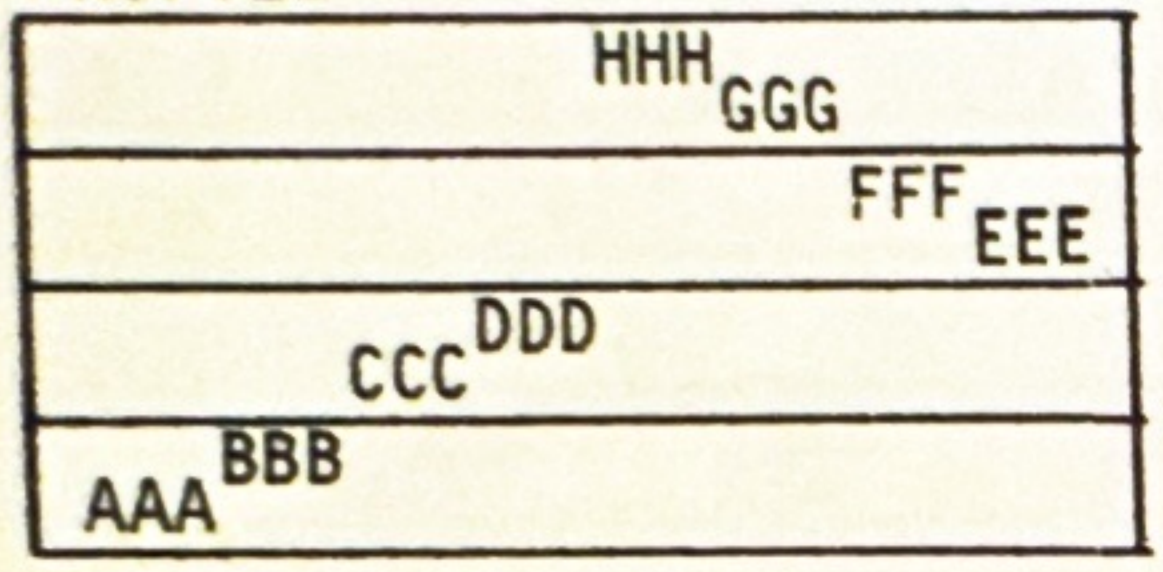
SECONDARY THREADING



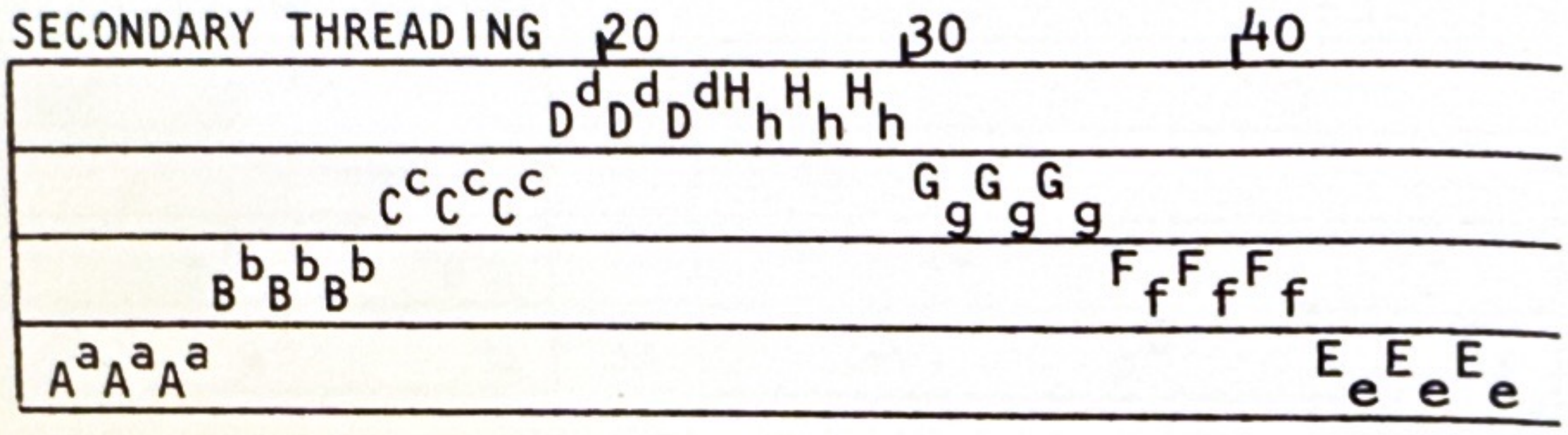
48 nds. Eliminates dividing line. Adjust treadling to threading.

8-19 SHADOW WEAVE. Opposites development. 48 nds.

PROFILE



SECONDARY THREADING

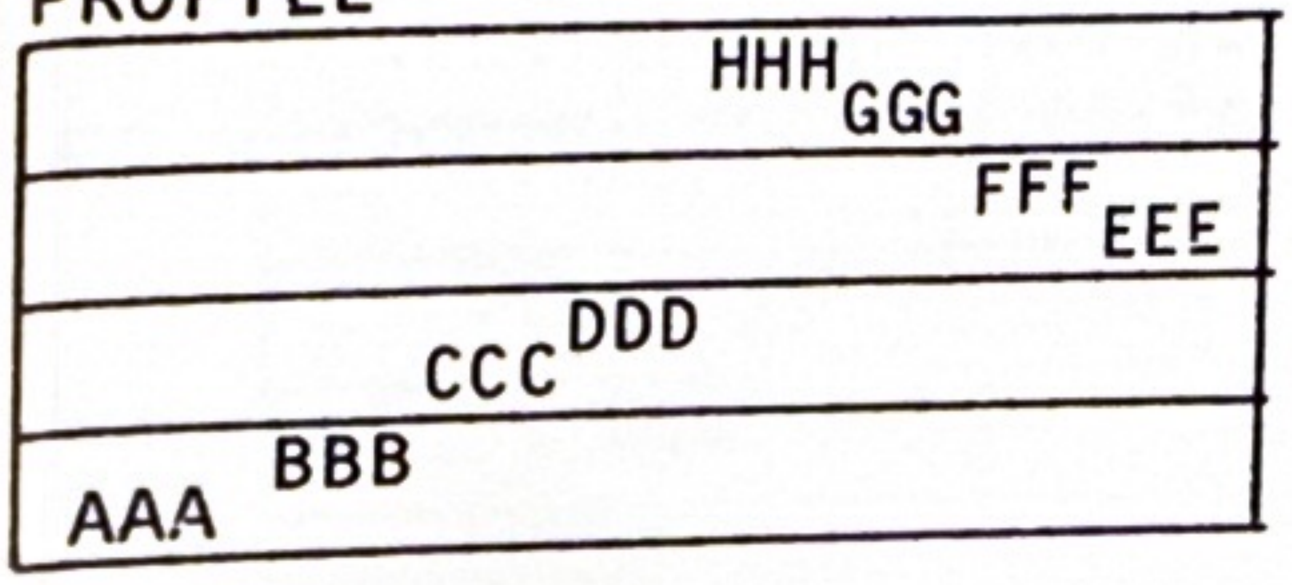


TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	12x3 34x3 56x3 78x3 21x3 43x3 65x3 87x3	AAA BBB CCC DDD EEE FFF GGG HHH
5.	121212 34x3 56x3 78x3 21x3 43x3 65x3 87x3 12121 78x3 56x3 34x3 12x3 87x3 65x3 43x3 2	AAA BBB CCC DDD EEE FFF GGG HHH AAA HHH GGG FFF EEE DDD CCC BBB
6.	12121212 34x3 56x2 782143 65x2 87x3 1212121 78x3 56x2 341287 65x2 43x3 2	AAAA BBB CC DEF GG HHH AAAA HHH GG FED CC BBB
7.	12x4 34x3 56x2 787 878 56x2 34x3 12x4	AAAA BBB CCC DD HH GG FFF EEEE
8.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
9.	12x2 34x2 56x2 78x2 21x2 43x2 65x2 878 787 65x2 43x2 21x2 78x2 56x2 34x2 12x2	AA BB CC DD EE FF GG HH DD CC BB AA HH GG FF EE
10.	14x3 36x3 58x3 71x3 23x3 45x3 67x3 82x3	Novelty treadling.
11.	14x3 36x3 58x3 71x3 82x3 67x3 45x3 23x3	Novelty treadling
12.	3456 787 654	BC DD C--Rotation

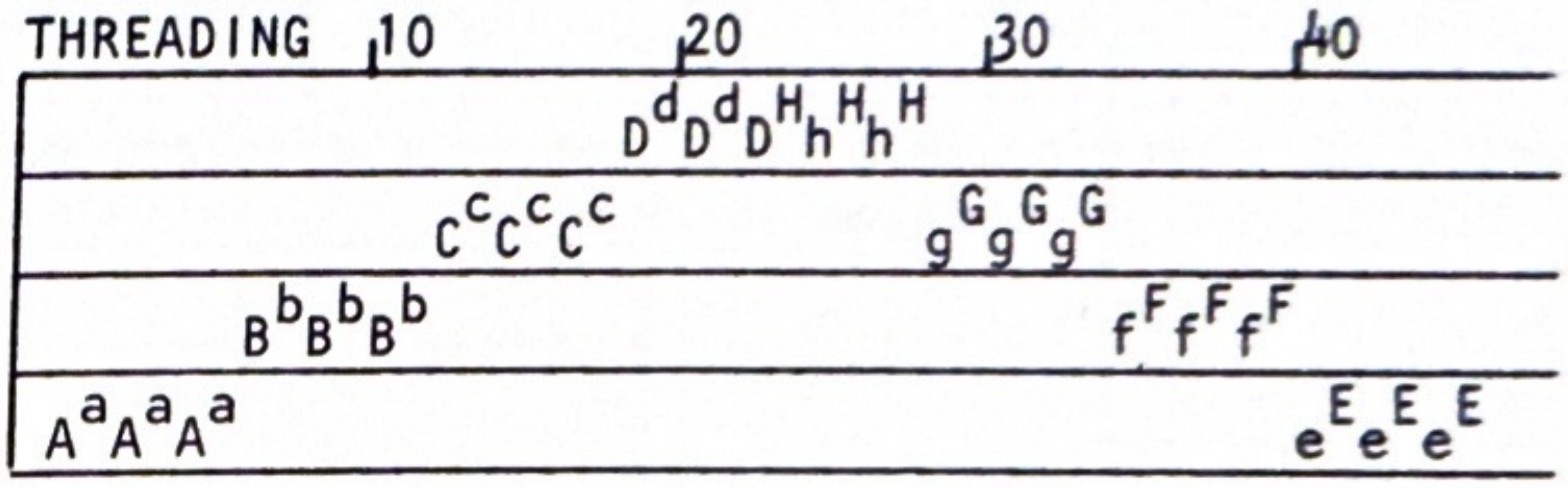
This threading does not have warp dividing lines.

8-20 SHADOW WEAVE. Opposites development. 46 nds.

PROFILE



THREADING



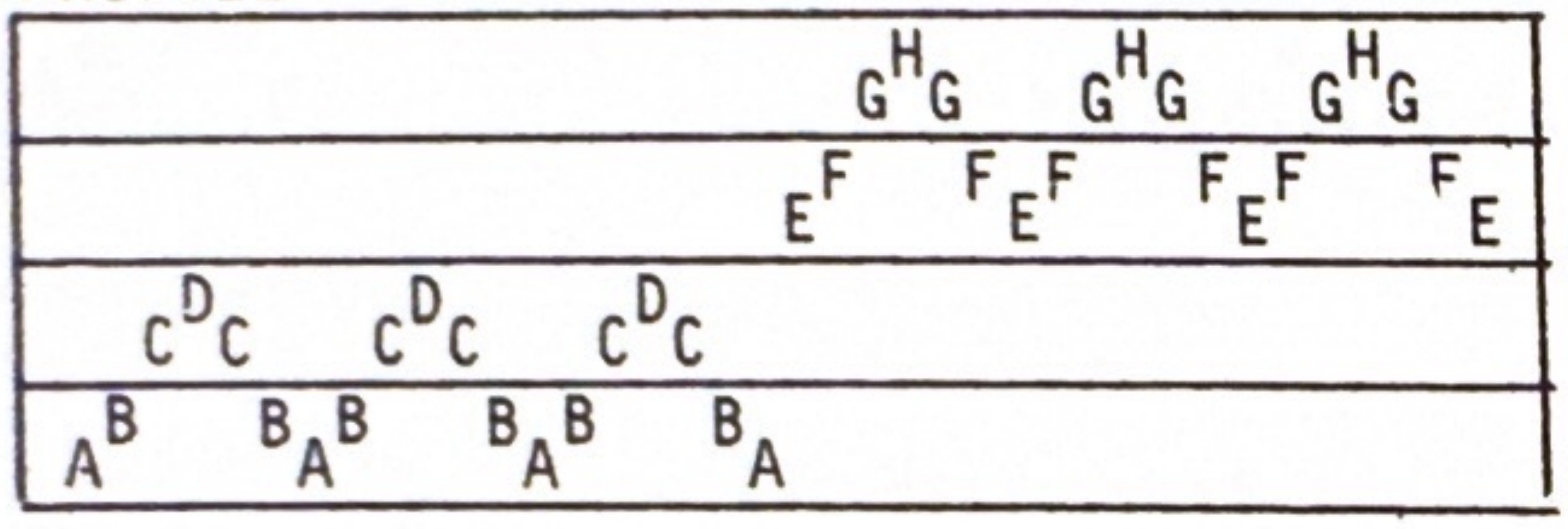
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 876543 2	ABCD EFG HH GFE DCB
4.	12x3 34x3 56x3 78x3 21x3 43x3 65x3 87x3	AAA BBB CCC DDD EEE FFF GGG HHH
5.	12x3 34x3 56x3 78x3 21x3 43x3 65x3 87x3 12121 78x3 56x3 34x3 12x3 87x3 65x3 43x3 2	AAA BBB CCC DDD EEE FFF GGG HHH AAA HHH GGG FFF EEE DDD CCC BBB
6.	12121212 34x3 56x2 782143 65x2 87x3 1212121 78x3 56x2 341287 65x2 43x3 2	AAAA BBB CC DEF GG HHH AAAA HHH GG FED CC BBB
7.	12x4 34x3 56x2 787 878 56x2 34x3 12x4	AAAA BBB CC DDD HH GG FFF EEEE
8.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
9.	12x2 34x2 56x2 78x2 21x2 43x2 65x2 878 787 65x2 43x2 21x2 78x2 56x2 34x2 12x2	AA BB CC DD EE FF GG HH DD CC BB AA HH GG FF EE
10.	14x3 36x3 58x3 71x3 23x3 45x3 67x3 82x3	Novelty treadling
11.	14x3 36x3 58x3 71x3 82x3 67x3 45x3 23x2	Novelty treadling

This threading gives the warp dividing lines.

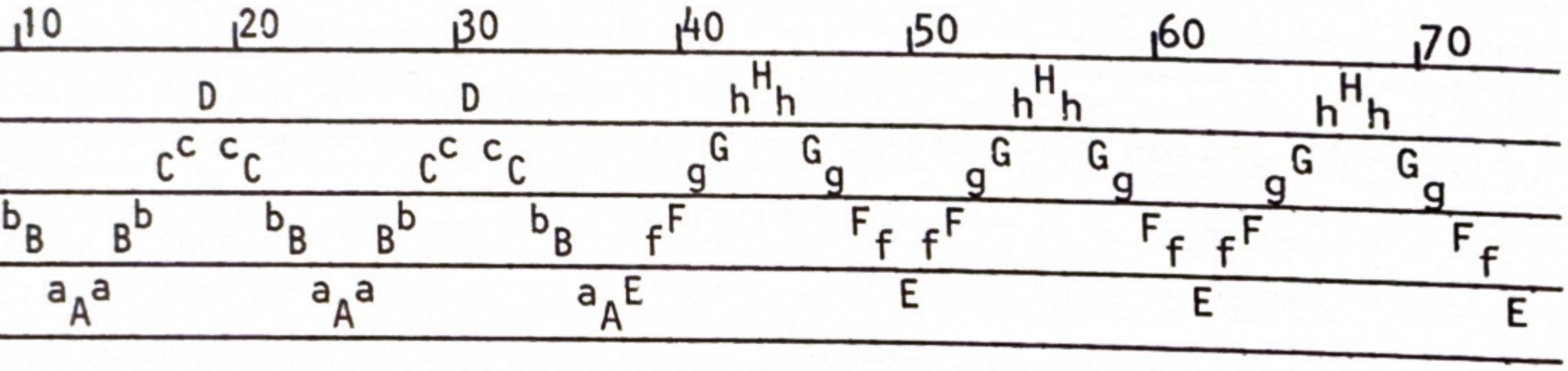
8-21 SHADOW WEAVE (well?) 74 nds.

As this is an interesting threading it is included in series, although two SHADOW WEAVE rules are broken. Single ends are used as turning points in part of threading, and in second half of draft order of dark-light in ascending and descending position is reversed,

PROFILE



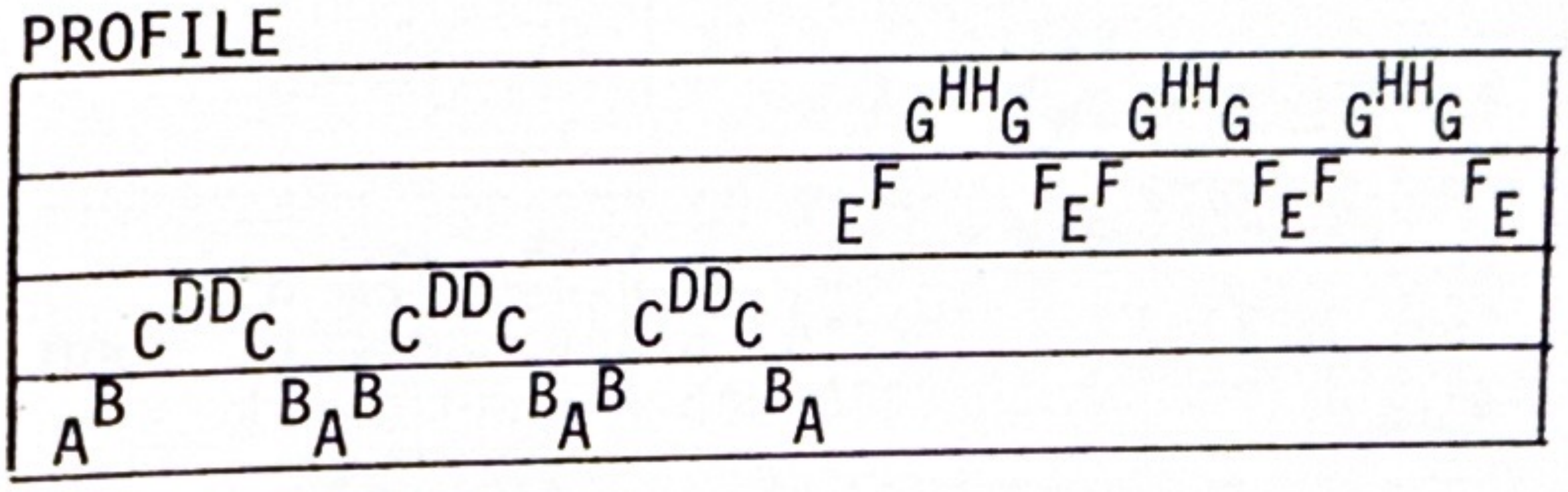
THREADING



TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	123456 787 654321 123456 787 654321	ABC DD CBA EFG H GFE
5.	12345678 21436587 121 78563412 8765432	ABCD EFGH AA HGFE DCB
6.	123456 787 65432	ABC DD CB
7.	2345 67876 543	EF GHG F--Rotation
8.	214365 878 56341	EFG HH GF
9.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
10.	1234 56x2 78787 65x2 4321 2143 65x2 87878 56x2 3412	AB CC DDD CC BA EF GG HHH GG FE

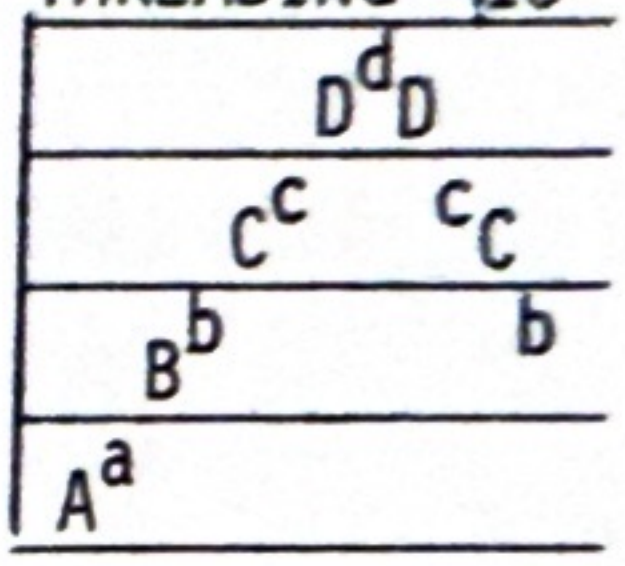
8-22 SHADOW WEAVE. Opposites development. 86 nds.

PROFILE

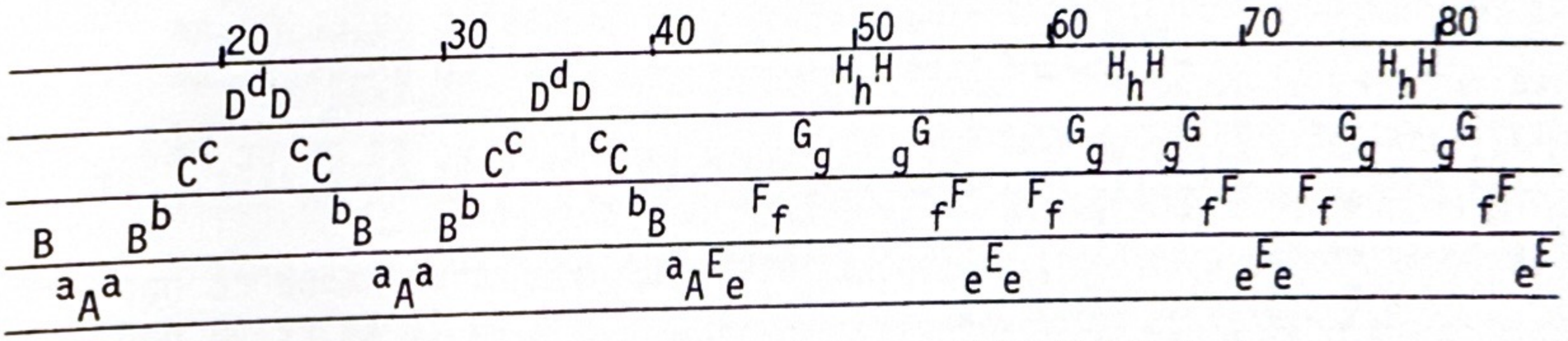


A B B A B B A B B A
C DD C C DD C C DD C
E F F E F F E F F E
G HH G G HH G G HH G

THREADING



10
A a
B b b
C c c C
D d D



20
30
40
50
60
70
80
a A a B B b C c D d D c C b B a A a B b C c D d D c C b B a A E e F f G g H h H g G f F e E e F f G g H h H g G f F e E e F f G g H h H g G f F e E

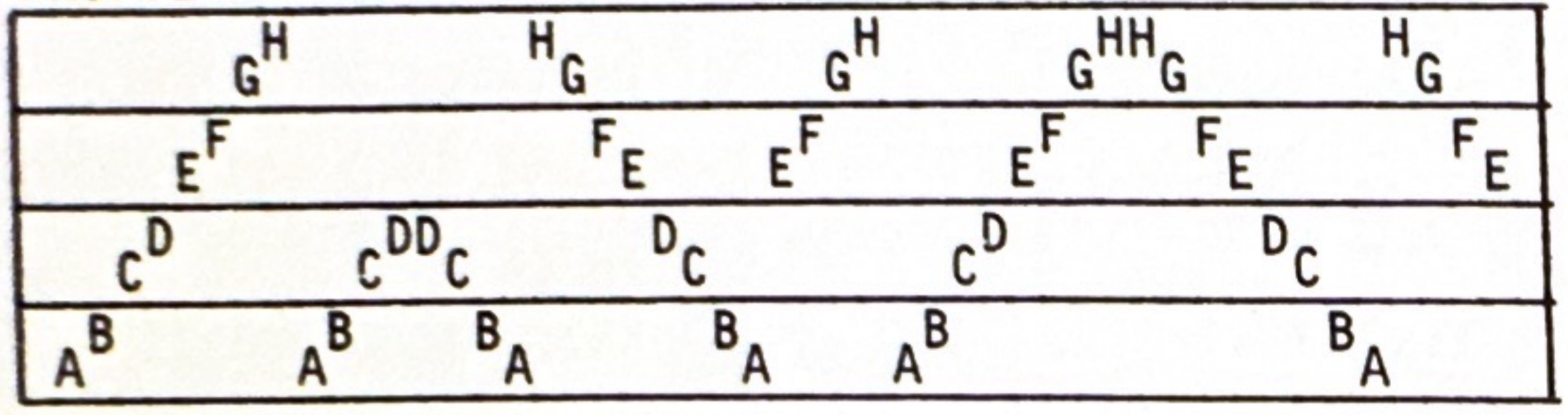
TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
5.	12345678 21436587 121 78563412 8765432	ABCD EFGH AA HGFE DCB
6.	123456 787 65432	ABC DD CB--Rotation
7.	234567 8 76543	Rotation
8.	214365 878 56341	EFG HH GF--Rotation
9.	876543 212 3456 787 6543 212 3456 787 6543 212 345678 876543 212 3456 787 65432123456 787 6543 212 345678	HGF EE FGH GF EE FG FGF EE FGH DCBA BC DD CBAABC DD CB A BCD
10.	1234 21x2 43434 12x2 4321 2143 65x2 87878 56x2 3412	AB CC DDD CC BA EF GG HHH GG FE
11.	12345678 12345678 123456 787 654321 87654321 87654321 21436587 21436587 214365 878 563412 78563412 78563412	ABCD ABCD ABC DD CBA DCBA DCBA EFGH EFGH EFG HH GFE HGFE HGFE
12.	21436587 121 785634 1	EFGH EE HGF
13.	1234 56x2 78x2 21x3 43x3 65x4 8787878 56x4 34x3 12x3 87x2 65x2 43 2	AB CC DD EEE FFF GGGG HHHH GGGG FFF EEE DD CC B

14.	12345678 123456 787 654321 87654321 21436587 214365 878 563412 78563412	ABCD ABC DD CBA DCBA EFGH EFG HH GFE GFED
15.	1234 56x2 78x2 21x3 43x3 65x4 8787878 56x4 34x3 12x3 87x2 65x2 4321 2143 65x2 87x2 12x3 34x3 56x4 7878787 65x3 43x3 21x3 78x2 56x2 3412	AB CC DD EEE FFF GGG HHHH GGGG FFF EEE DD EE BA EF GG HH AAA BBB CCCC DDDD CCCC BBB AAA HH GG FE
16.	12x2 34x2 56x2 787 65x2 43x2 21x2 21x2 43x2 65x2 878 56x2 34x2 12x2	AA BB CC DD CC BB AA EE FF GG HH GG FF EE
17.	34x2 56x2 78x2 212 87x2 65x2 43x2 43x2 65x2 87x2 121 78x2 56x2 34x2	BB CC DD EE DD CC BB FF GG HH AA HH GG FF
18.	78787 65x2 43x2 21212 34x2 56x2 78787 87878 56x2 34x2 12121 43x2 65x2 87878	DDD CC BB AA BB CC DDD HHH GG FF EE FF GG HHH
19.	876543 212 345678 876543 212 345678	HGF EE FGH DCB A BCD
20.	85634 121 436587 85634 121 43658 785634 121 43658 76543 212 345678 76543 212 34567 876543 212 34567	HGF E FGH HGF E FGH HGF E FGH DCB A BCD DCB A BCD DCB A BCD
21.	878 5634 34 56 787	HH GF BC DD
22.	878 56x2 34x2 34x2 56x2 787	HH GG FF BB CC DD
23.	12x3 34x3 56x2 787 65x2 43x3 21x3 21x3 43x3 65x2 878 56x2 34x3 12x3	AAA BBB CC DD CC BBB AAA EEE FFF GG HH GG FFF EEE
24.	12x2 34x2 56x2 78x2 87x2 65x2 43x2 21x2	AA BB CC DD HH GG FF EE
25.	12x2 34x2 56x2 787 65x2 43x2 21x2 214365 878 563412	AA BB CC DD CC BB AA EFG HH GFE
26.	12x3 34x3 56x3 78787 65x3 43x3 21x3 214365 878 5634 121 4365 878 5634 121 4365 878 563412	AA BB CC DD CC BB AAA EFG HH GF E FG HH GF E FG HH GF
27.	12x2 34x2 56x2 78x2 121 87x2 65x2 43x2 21x2 21x2 43x2 65x2 87x2 212 78x2 56x2 34x2 12x2	AA BB CC DD AA DD CC BB AA EE FF GG HH EE HH GG FF EE
28.	12x2 34x2 56x2 78x2 12x2 343 21x2 87x2 65x2 43x2 21x2 21x2 43x2 65x2 87x2 21x2 434 12x2 78x2 56x2 34x2 12x2	AA BB CC DD AA BB AA DD CC BB AA EE FF GG HH EE FF EE HH GG FF EE
29.	12x2 34x2 56x2 78x2 12x2 34x2 565 43x2 21x2 87x2 65x2 43x2 21x2 21x2 43x2 65x2 87 21x2 43x2 656 34x2 12x2 78x2 56x2 34x2 12x2	AA BB CC DD AA BB CC BB AA DD CC BB AA EE FF GG HEE FF GG FF EE HH GG FF EE

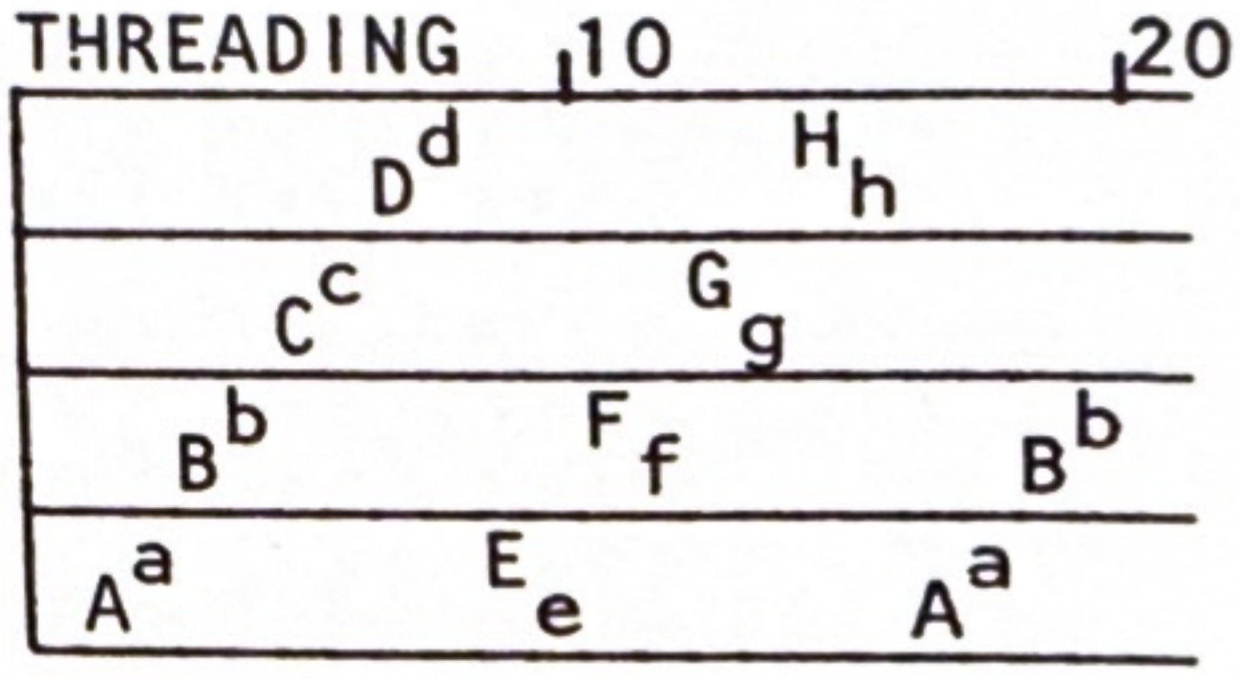
30.	56x2 78x2 21x2 434 12x2 87x2 65x2 65x2 87x2 12x2 343 21x2 78x2 56x2	CC DD EE FF EE DD CC GG HH AA BB AA HH GG
31.	56x2 78x2 21x2 43x2 656 34x2 12x2 87x2 65x2 65x2 87x2 12x2 34x2 565 43x2 21x2 78x2 56x2	CC DD EE FF GG FF EE DD CC GG HH AA BB CC BB AA HH GG
32.	56x2 78x2 21x2 43x2 65x2 878 56x2 34x2 12x2 87x2 65x2 65x2 87x2 12x2 34x2 56x2 787 65x2 43x2 21x2 78x2 56x2	CC DD EE FF GG HH GG FF EE DD CC GG HH AA BB CC DD CC BB AA HH GG
33.	34x2 56x2 78x2 21x2 43x2 656 34x2 12x2 87x2 65x2 43x2 43x2 65x2 87x2 12x2 34x2 565 43x2 21x2 78x2 56x2 34x2	BB CC DD EE FF GG FF EE DD CC BB FF GG HH AA BB CC BB AA HH GG FF
34.	12x2 343 21 21x2 434 12	AA BB AA EE FF EE
35.	12x2 34x2 565 43x2 21x2 21x2 43x2 656 34x2 12x2	AA BB CC BB AA EE FF GG FF EE
36.	876543 212 3456787 6543 212 3456 787 6543 212 345678 785634 121 4365878 5634 121 4365 878 5634 121 436587	Not SHWV. interlacement

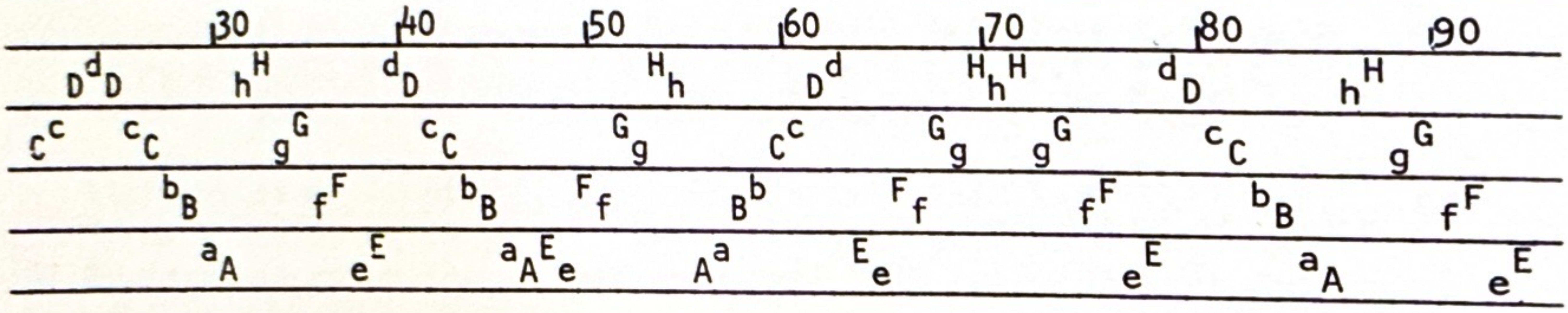
8-23 SHADOW WEAVE. Opposites development. 94 nds.

PROFILE



THREADING

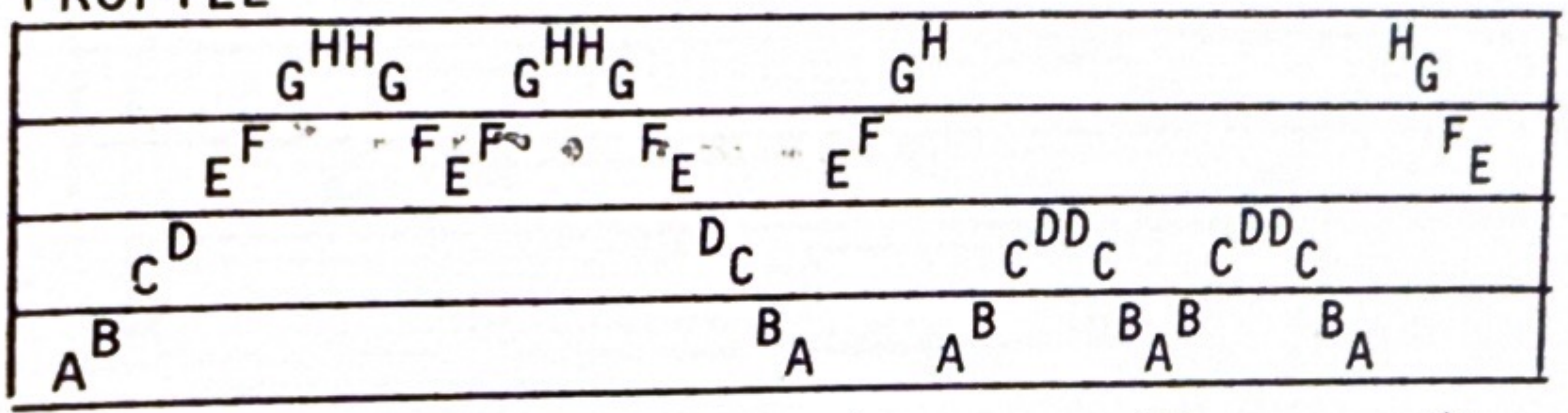




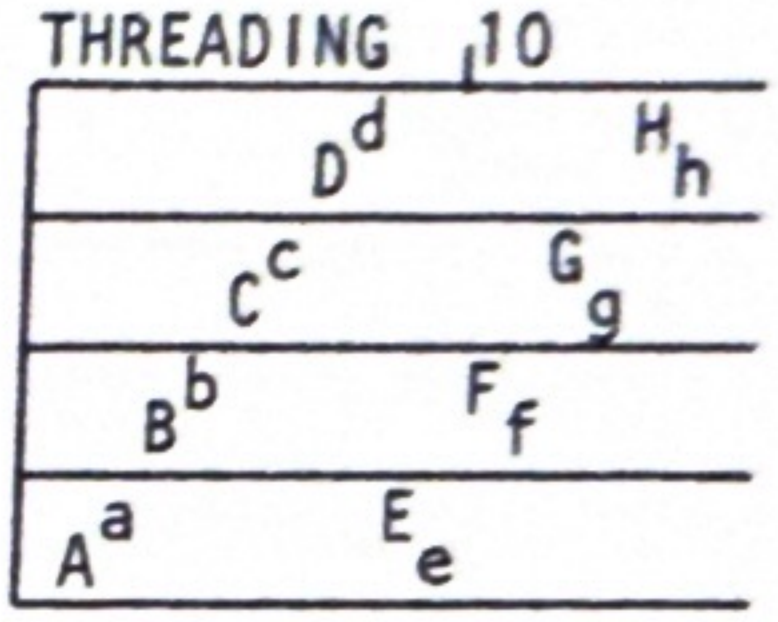
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	123456 787 654321 214365 878 563412	ABC DD CBA EFG HH GFE
5.	878 563412 876543 212 345678 214365 878 787 654321 785634 121 436587 123456 787	HH GFE DCB A BCD EFG HH DD CBA HGF E FGH ABC DD
6.	878 5634 12x2 87x2 65x2 43x2 2121212 34x3 56x2 78x2 21x2 4365 878 787 6543 21x2 78x2 56x2 34x3 1212121 43x3 65x2 87x2 12x2 3456 787	HH GF EE DD CC BBB AAA BBB CC DD EE FG HH DD CB AA HH GG FFF EEE FFF GG HH AA BC DD
7.	878 5634 12x2 87x2 65x2 43x3 21x2 21x2 43x3 65x2 87x2 12x2 3456 787	HH GF EE DD CC BBB AA EE FFF GG HH AA BC DD
8.	878 563412 87654321 7856 343 6587 12345678 214365 878 787 654321 78563412 87654345678 21436587 123456787	HH GFE DCBA HG F GH ABCD EFG HH DD CBA HGFE DCBCD EFGH ABCDD
9.	787 6543 212 3456 787 878 5634 121 4365 878	DD CB A BC DD HH GF E FG HH
10.	787 6543 212 345678 76543 212 34567 876543 212 3456 787 878 5634 121 436587 85634 121 43658 785634 121 4365 878	DD CB A BCD DCB A BCD DCB A BC DD HH GF E FGH HGF E FGH HGF E FGHH
11.	787 654321 78563412 12345678 214365 878	DD CBA HGFE ABCD EFG HH
12.	1234 565 432	AB CC B--Rotation

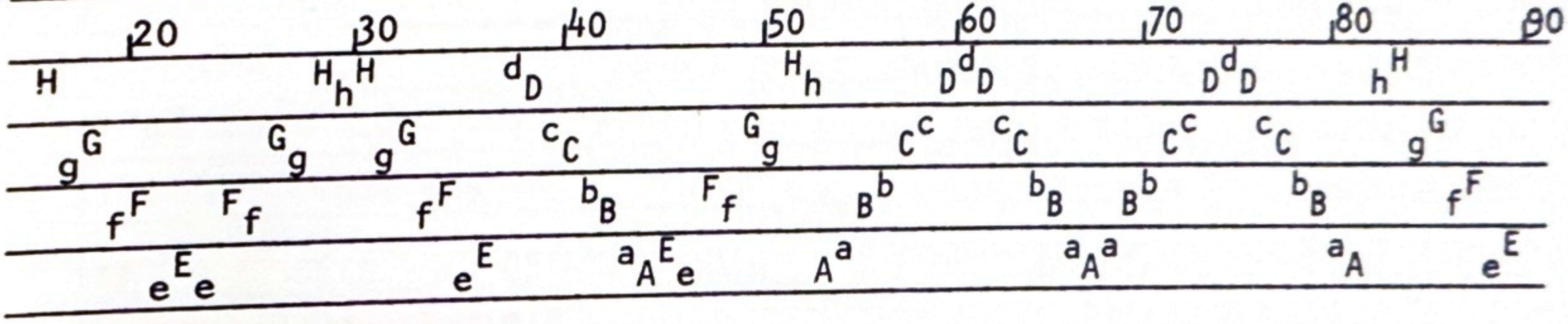
8-24 SHADOW WEAVE. Opposites development. 90 nds.

PROFILE



THREADING

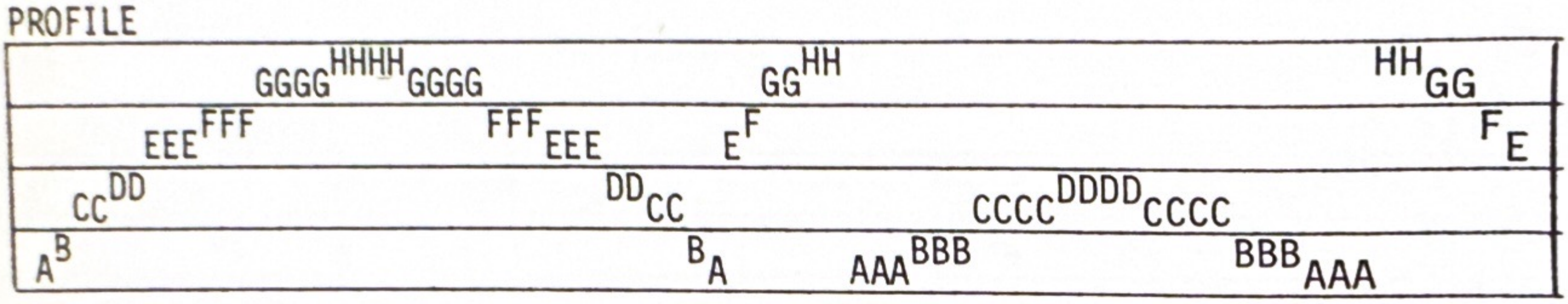




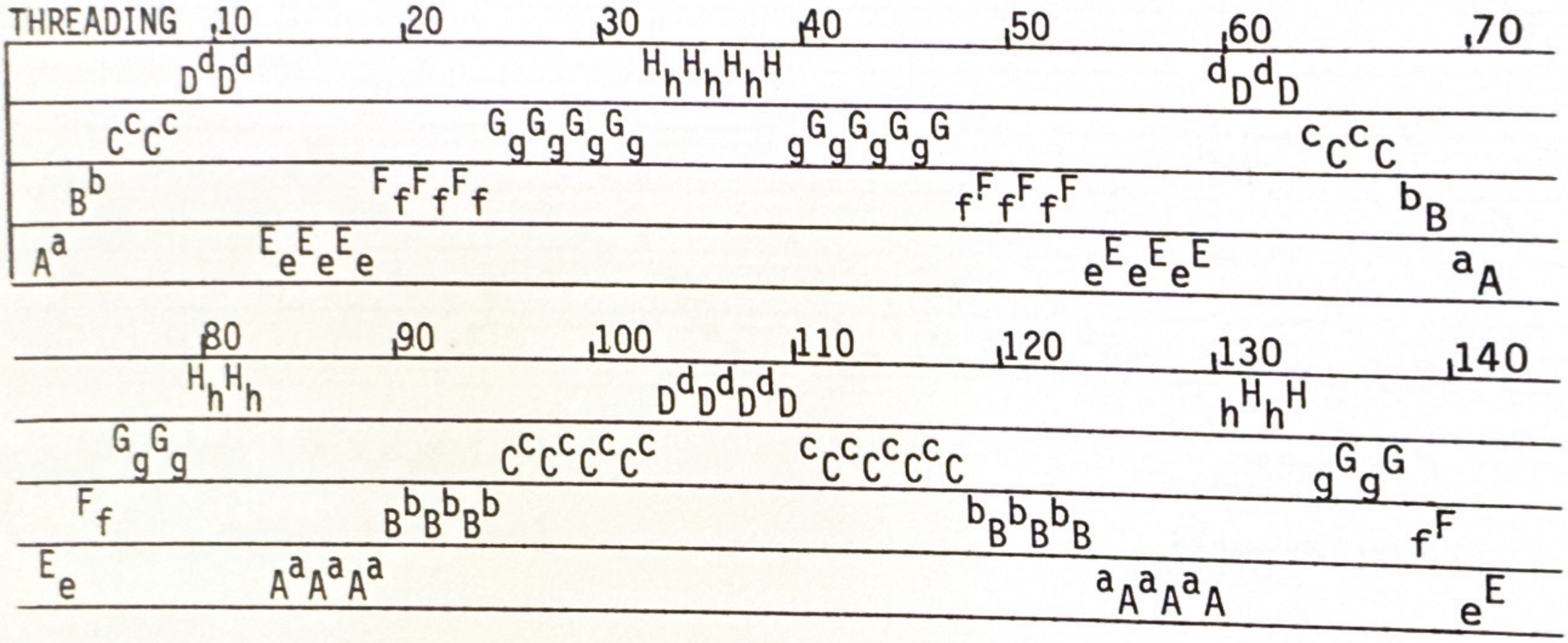
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	878 563412 876543 212 3456 787 6543 212 345678 214365 878 787 654321 785634 121 4365 878 5634 121 436587 123456 787	HH GFE DCB A BC DD CB A BCD EFG HH DD CBA HGF E FG HH GF E FGH ABC DD
5.	87654321 785634 121 4365 878 5634 121 436587 12345678 78563412 876543 212 3456 787 6543 212 345678 21436587	SWITCH interlacement.
6.	787 6543 212 3456 787 878 5634 121 4365 878	DD CB A BC DD HH GF E FG HH
7.	787 65 43x2 21212 34x2 56 787 878 56 34x2 12121 43x2 65 878	DD C BB AA BB C DD HH G FF EE FF G HH
8.	878 563412 876543 212 345678 214365 878 787 654321 785634 121 436587 123456 787	HH GFE DCB A BCD EFG HH DD CBA HGF E FGH ABC DD
9.	878 563412 87654321 21436587 123456 787	HH GFE DCBA EFGH ABCD
10.	878 563412 87654321 7856 343 6587 12345678 214365878 787 654321 78563412 8765 434 5678 21436587 12345678	HH GFE DCBA HG F GH ABCD EFGHH DD CBA HGFE DC B CD EFGH ABCD
11.	1234 565 432	AB CC B--Rotation
12.	341287 656 7821 4	FED C DEF--Rotation

8-25 SHADOW WEAVE. Opposites development. 142 nds.

PROFILE



GGGG HHHH GGGG
GG HH
HH GG
EEE FFF
FFF EEE
E F
F E
CC DD
DD CC
CCCC DDDD CCCC
A B
B A
AAA BBB
BBB AAA

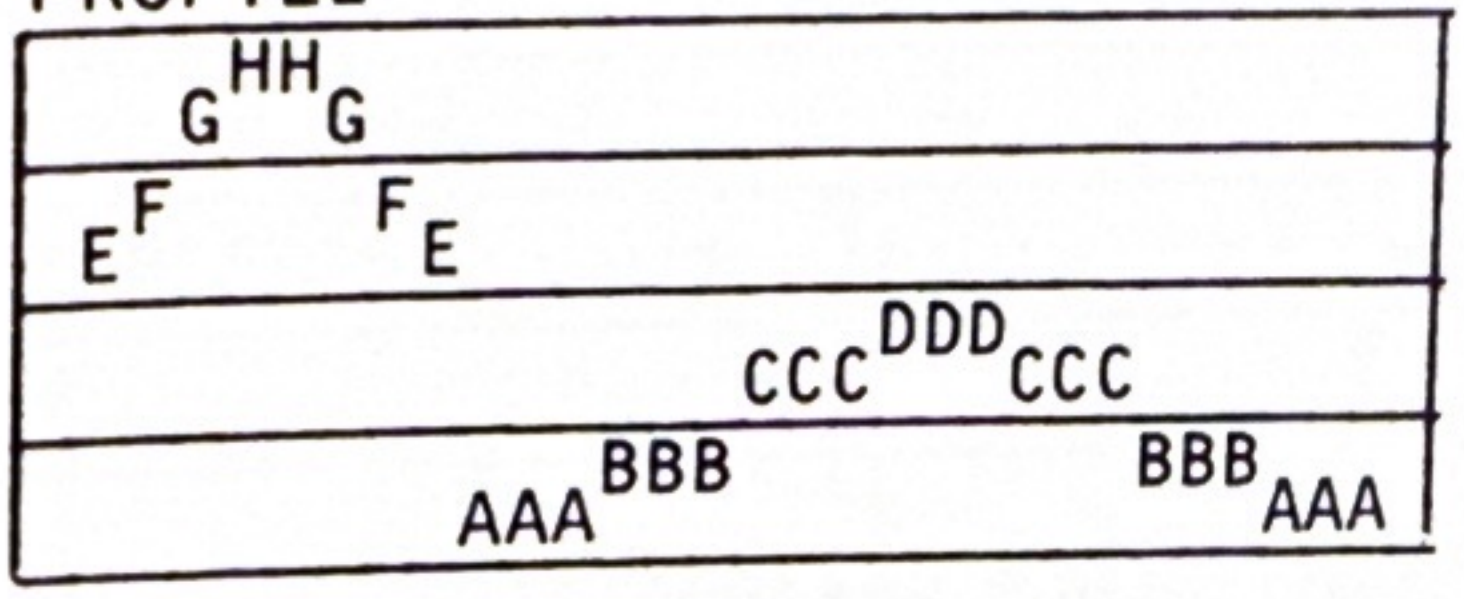


THREADING
10
20
30
40
50
60
70
80
90
100
110
120
130
140

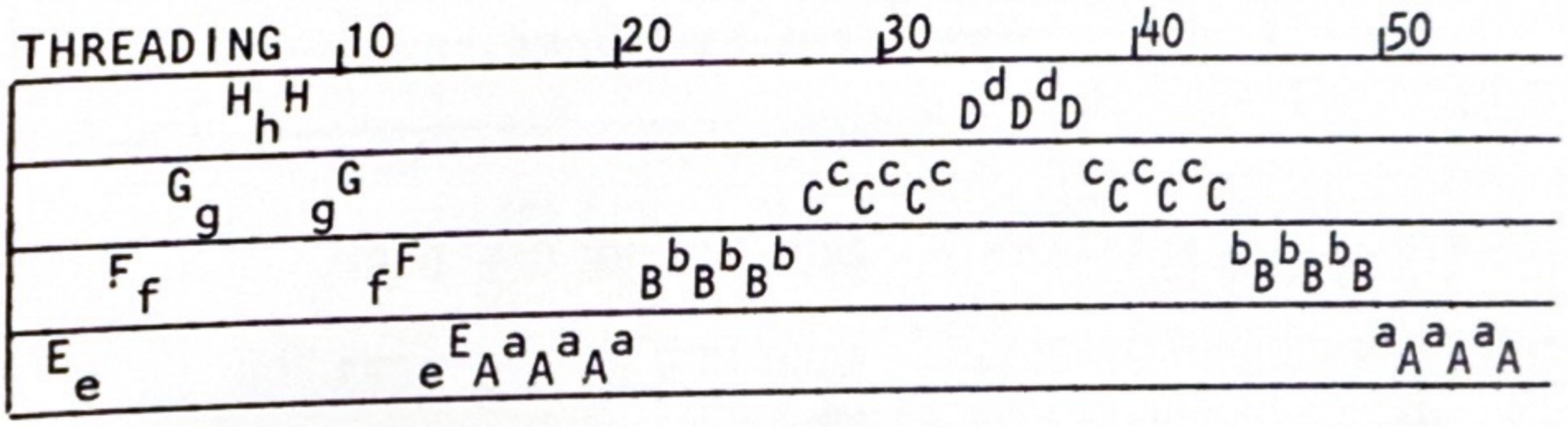
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 87654321 21436587 123456 787 654321 78563412	ABCD EFG HH GFE DCBA EFGH ABC DD CBA HGFE
4.	878 563412 876543 212 345678 214365 878 787 654321 785634 121 436587 123456 787	HH GFE DCB A BCD EFG HH DD CBA HGF E FGH ABC DD
5.	12345678 214365 878 563412 876543 2	ABCD EFG HH GFE DCB
6.	12345678 21436587 123456 787 654321 78563412 876543 2	ABCD EFGH ABC DD CBA HGFE DCB
7.	123456 345678 567821 7821 434 1287 128765 876543 6543 2	ABC BCD CDE DE FF ED EDC DCB CB
8.	87654321 785634 121 436587 12345678 78563412 876543 212 345678 21436587	HGFE DCB AA BCD EFGH DCBA HGF EE FGH ABCD
9.	878 563412 87654321 21436587 123456 787	HH GFE DCBA EFGH ABCD
10.	878 5634 121 4365 878 787 6543 212 3456 787	HH GF E FG HH DD CB A BC DD
11.	34 565 4	BCC--Rotation
12.	878 56 34x2 12x3 87x6 6565656 78x6 21x3 43x2 65 878 787 65 43x2 21x3 78x6 5656565 87x6 12x3 34x2 56 787	HH G FF EEE DDDDDD CCC DDDDDD EEE FF G HH DD C BB AAA HHHHHH GGG HHHHHH AAA BB C DD

8-26 SHADOW WEAVE. Opposites development. 56 nds.

PROFILE



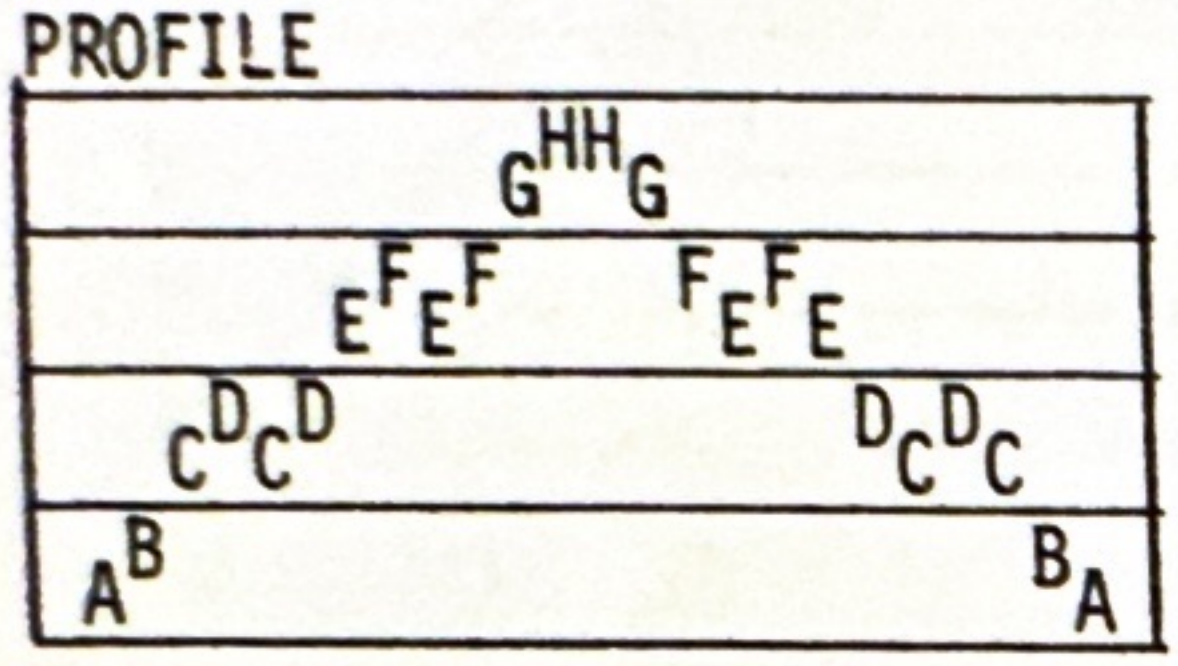
THREADING



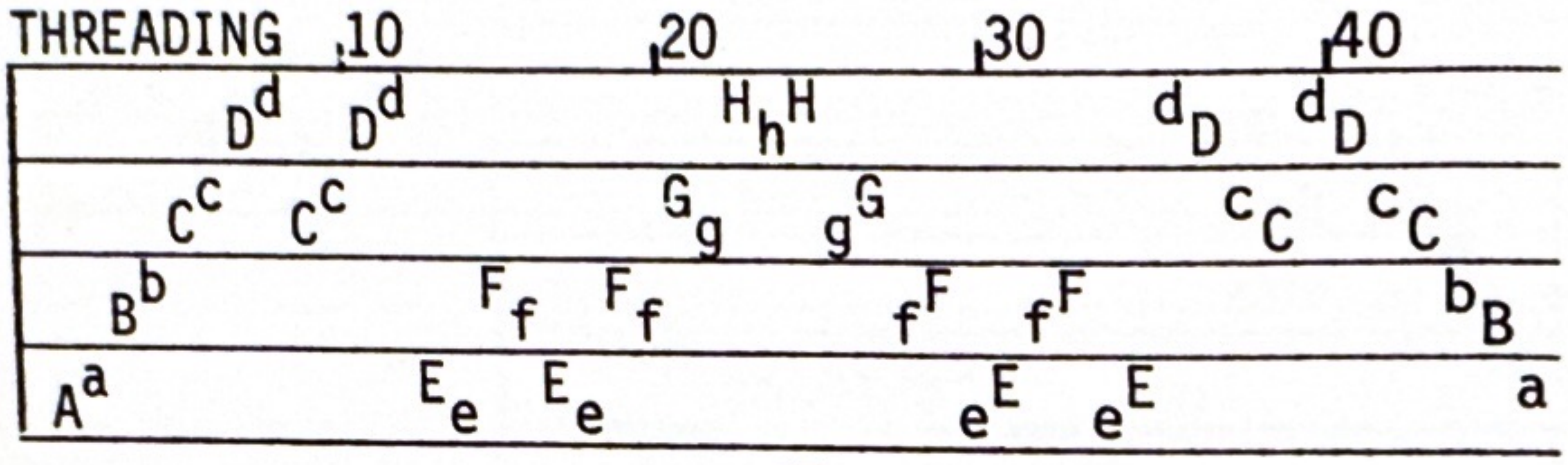
	TREADLE NUMBERS. Dark underlined.	UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5\underline{8}7$	ABCD EFGH
3.	$\underline{1}2\underline{3}4\underline{5}6\underline{7}8$ $\underline{2}1\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}1\underline{2}$ $8\underline{7}6\underline{5}4\underline{3}2$	ABCD EFG HH GFE DCB
4.	$\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $\underline{7}8\underline{7}8\underline{7}$ $6\underline{5}\times3$ $4\underline{3}\times3$ $2\underline{1}2\underline{1}2\underline{1}2$ $\underline{3}4\times3$ $\underline{5}6\times3$ $\underline{7}8\underline{7}8\underline{7}$	HH GF E FG HH DDD CCC BBB AAA BBB CCC DDD
5.	$\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $\underline{7}8\underline{7}8\underline{7}$ $6\underline{5}\times3$ $4\underline{3}4\underline{3}4\underline{3}4$ $\underline{5}6\times3$ $\underline{7}8\underline{7}8\underline{7}$	HH GFG HH DDD CCC BBB CCC DDD
6.	$\underline{2}1\underline{2}1\underline{2}1\underline{2}$ $8\underline{7}\times5$ $6\underline{5}6\underline{5}6\underline{5}6$ $\underline{7}8\times5$ $\underline{2}1\underline{2}1\underline{2}$ $\underline{1}2\underline{1}$ $7\underline{8}5\underline{6}5\underline{8}7$ $\underline{1}2\underline{1}$	EEE DDDDD CCC DDDDD EEE AA HGH AA
7.	$\underline{1}2\times3$ $\underline{8}7\times5$ $\underline{6}5\underline{6}5\underline{6}$ $7\underline{8}\times5$ $2\underline{1}\times3$ $\underline{2}1\times3$ $\underline{7}8\times5$ $\underline{5}6\underline{5}6\underline{5}$ $8\underline{7}\times5$ $1\underline{2}\times3$	AAA HHHHH GGG HHHHH AAA EEE DDDDD CC DDDDD EEE
8.	$\underline{1}2\times3$ $\underline{8}7$ $\underline{6}5\times2$ $\underline{4}3\underline{4}3\underline{4}$ $5\underline{6}\times2$ $7\underline{8}$ $2\underline{1}\times3$ $\underline{2}1\times3$ $\underline{7}8$ $\underline{5}6\times2$_$3\underline{4}3\underline{4}3$ $6\underline{5}\times2$ $8\underline{7}$ $1\underline{2}\times3$	AAA H GG FFF GG H AAA EEE D CC BBB CCC D EEE
9.	$\underline{8}7\underline{8}$ $5\underline{6}3\underline{4}$ $1\underline{2}1$ $\underline{4}3\underline{6}5$ $\underline{8}7\underline{8}$ $\underline{7}8\underline{7}$ $6\underline{5}4\underline{3}$ $2\underline{1}2$ $\underline{3}4\underline{5}6$ $\underline{7}8\underline{7}$	HH GF E FG HH DD CB A BC DD
10.	$\underline{1}2\underline{3}4\underline{5}6$ $\underline{7}8\underline{7}$ $6\underline{5}4\underline{3}2$	ABC DD CB--Rotation

8-27 SHADOW WEAVE. Novelty development. 46 nds.

PROFILE

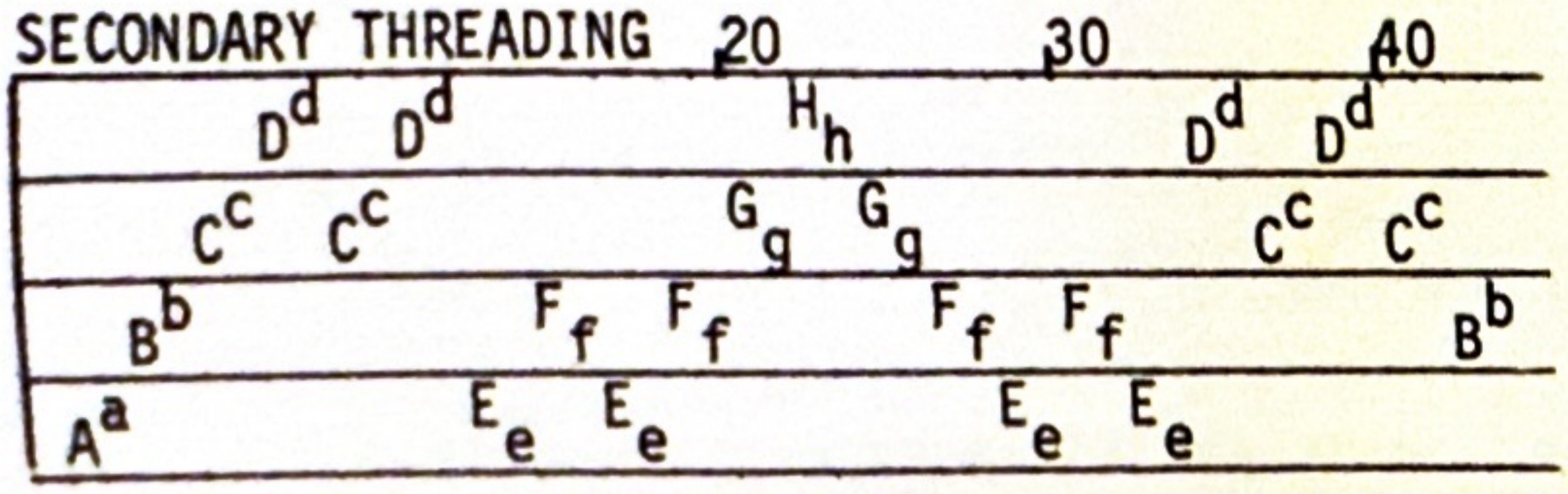

G HH G
E F E F F E F E
C D C D D C D C
A B B A

THREADING


10
20
30
40
D d D d H h H d D d D
C c C c G g g G c C c C
B b F f F f f F f F b B
A a E e E e e E e E a

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 8765432	ABCD EFG HH GFE DCB
4.	12345678 214365 878 563412 87654321 7856 343 6587	ABCD EFG HH GFE DCBA HG F GH
5.	12345678 21436587 121 78563412 87654321 785634 121 436587	ABCD EFGH AA HGFE DCBA HGF E FGH
6.	121 7856 343 6587	AA HG F GH
7.	12345678 2143412 87654321 787	ABCD EFFE DCBA H
8.	12345678 2143 656 3412 87654321 7856587	ABCD EF GG FE DCBA HGH
9.	123456 787 654321 785634 121 436587	ABC DD CBA HGF E FGH
10.	785634 121 436587 121	HGF E FGH AA
11.	78x2 56x2 34x2 12121 43x2 65x2 87x2 121	HH GG FF EE FF GG HH AA
12.	785634 121 436587 1234321	HGF EFGH ABBA
13.	78563412 8765678 21436587 1234 565 4321	HGFE DCD EFGH AB CC BA
14.	78563412 878 21436587 1234321	HGFE D EFGH ABBA

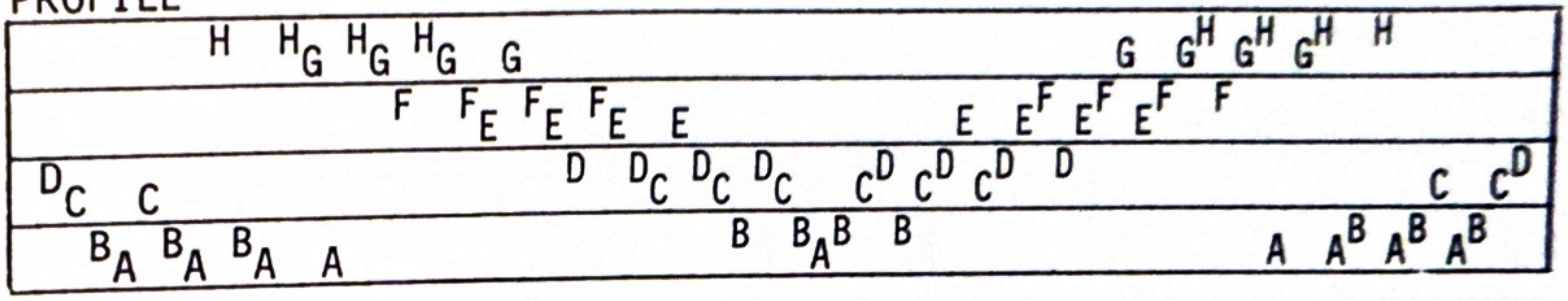
SECONDARY THREADING


20
30
40
D d D d H h D d D d
C c C c G g G g C c C c
B b F f F f F f F f B b
A a E e E e E e E e

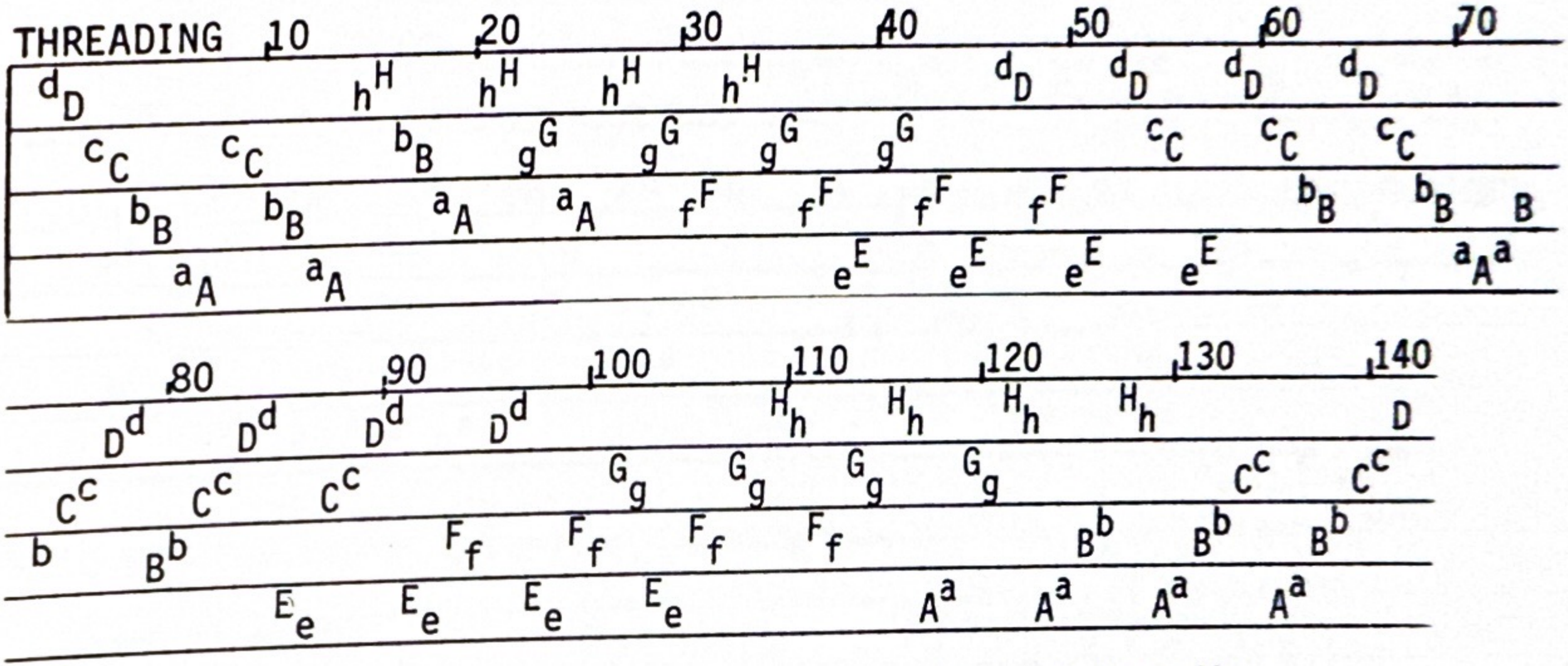
44 nds. Adjust treadling to threading.

8-28 SHADOW WEAVE. Novelty development. 142 nds.

PROFILE



THREADING

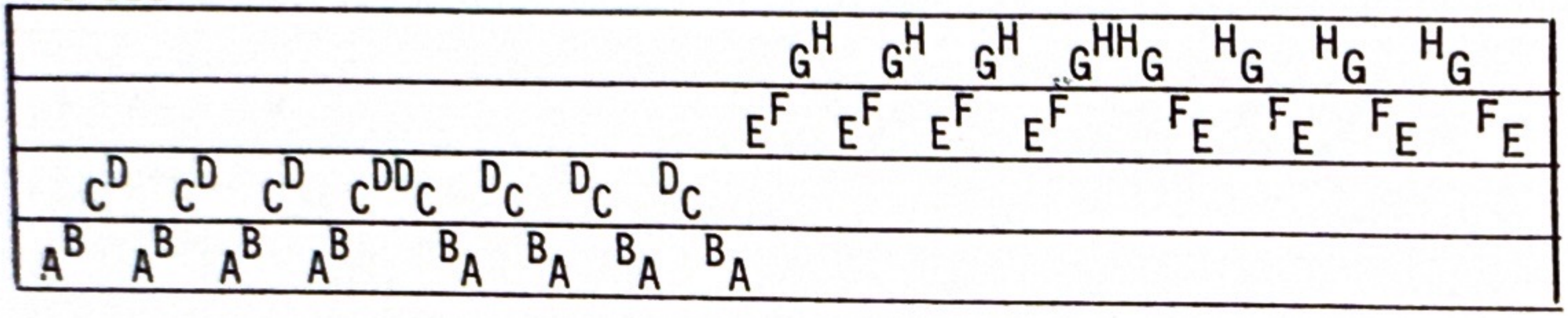


1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 876543 2	ABCD EFG HH GFE DCB
4.	12x2 34x2 56x2 78x2 21x2 43x2 65x2 878 56x2 34x2 12x2 87x2 65x2 43x2 2	AA BB CC DD EE FF GG HH GG FF EE DD CC BB
5.	12x2 34x2 56x2 78x2 21x2 43x2 65x2 87x2 12x2 34x2 56x2 787 65x2 43x2 21x2 78x2 56x2 34x2 12x2 87x2 65x2 43x2 21x2 78x2 56x2 343 65x2 87x2	AA BB CC DD EE FF GG HH AA BB CC DD CC BB AA HH GG FF EE DD CC BB AA HH GG FF GG HH
6.	12x2 345678 21x2 43434 12x2 876543 21x2 78787	AA BCD EE FFF EE DCB AA HH
7.	12x2 345678 21x2 43x2 65656 34x2 12x2 876543 21x2 21x2 436587 12x2 34x2 56565 43x2 21x2 785634 12x2	AA BCD EE FF GGG FF EE DCB AA EE FGH AA BB CCC BB AA HGF EE
8.	123456 787 654321 214365 878 563412	ABC DD CBA DEF GG FED
9.	12 34x2 56x3 7878787 65x3 43x2 21 21 43x2 65x3 8787878 56x3 34x2 12	A BB CCC DDDD CCC BB A E FF GGG HHHH GGG FF E
10.	121 343 565 787 212 434 212 787 565 343 121 878	Novelty interlacement.
11.	1234 565 432	AB CC B--Rotation
12.	8765 434 567	Rotation

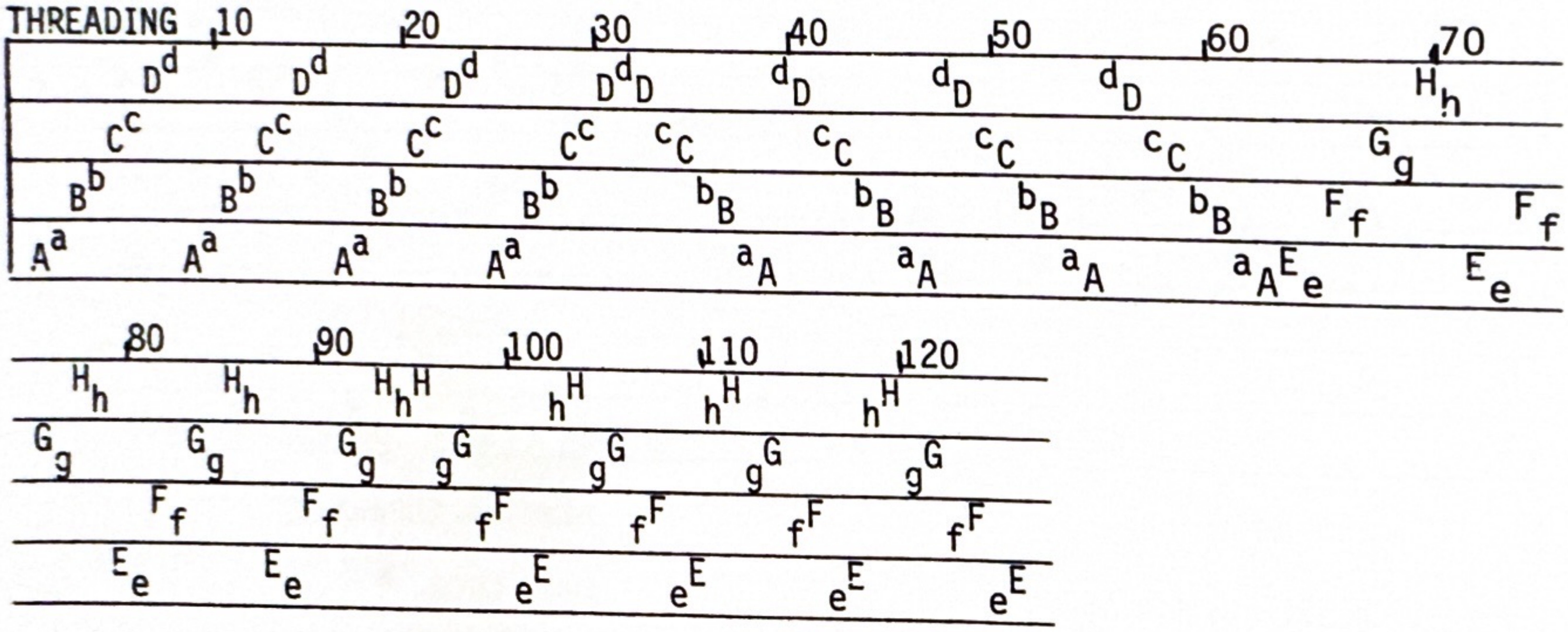
8-29 SHADOW WEAVE

126 nds.

PROFILE


GH GH GH GHHG HG HG HG
EF EF EF EF FE FE FE FE
CD CD CD CDDC DC DC DC
AB AB AB AB BA BA BA BA

THREADING

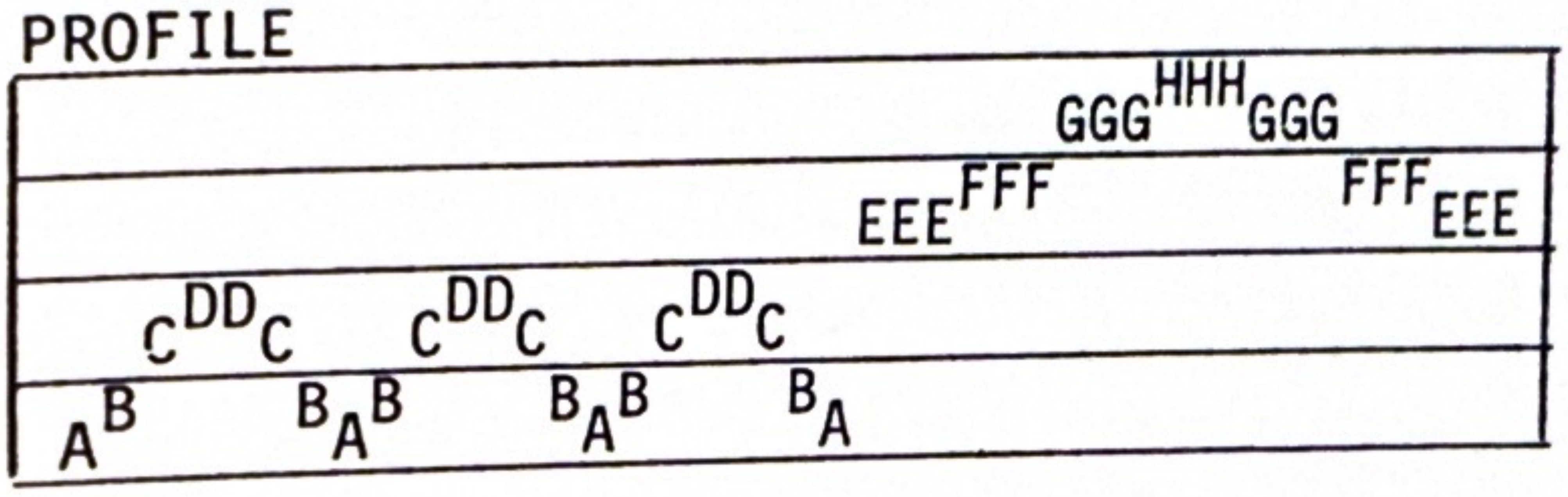

10
20
30
40
50
60
70
Dd Dd Dd DdD dD dD dD Hh
Cc Cc Cc Cc cC cC cC cC Gg
Bb Bb Bb Bb bB bB bB bB Ff Ff
Aa Aa Aa Aa aA aA aA aAEe Ee
80
90
100
110
120
Hh Hh HhH hH hH hH
Gg Gg Gg gG gG gG gG
Ff Ff fF fF fF fF
Ee Ee eE eE eE eE

1.	Tromp as writ.	Same as threading.
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 876543 2	ABCD EFG HH GFE DCB
4.	12345678 123456 787 654321 87654321 21436587 214365 878 563412 78563412	ABCD ABC DD CBA DCBA EFGH EFG HH GFE HGFE
5.	787 654321 876543 212 345678 123456 787 878 563412 785634 121 436587 214365 878	DD CBA DCB A BCD ABC DD HH GFE HGF E FGH EFG HH
6.	78787 65x2 43x2 21212 34x2 56x2 78787 87878 56x2 34x2 12121 43x2 65x2 87878	DDD CC BB AA BB CC DDD HHH GG FF EE FF GG HHH
7.	8765 434 567	DC B CD--Rotation
8.	785634 121 43658	HGF E FGH--Rotation
9.	787 6567 876543 212 345678	DD CD DCB A BCD--Rotation
10.	8787 656 7876543 212 3456 787 656 7878 7878 565 8785634 121 4365 878 565 8787	Novelty interlacement.
11.	787 656 787 6543 212 3456 787 656 787 878 565 878 5634 121 4365 878 565 878	Novelty interlacement.
12.	787 6543 21212 3456 787 878 5634 12121 4365 878	DD CB AA BC DD HH GF EE FG HH

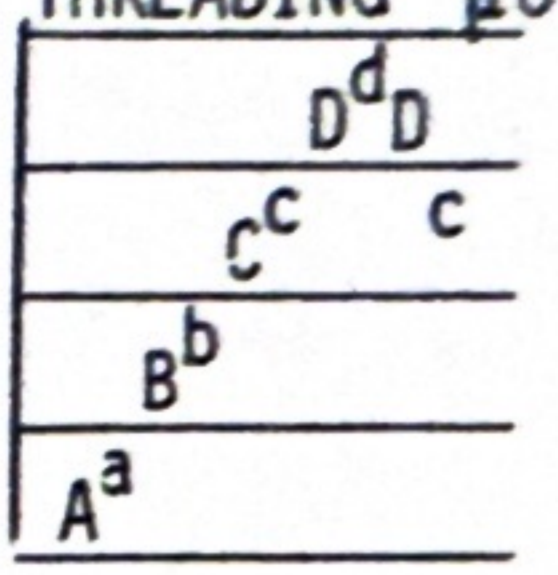
8-30 SHADOW WEAVE

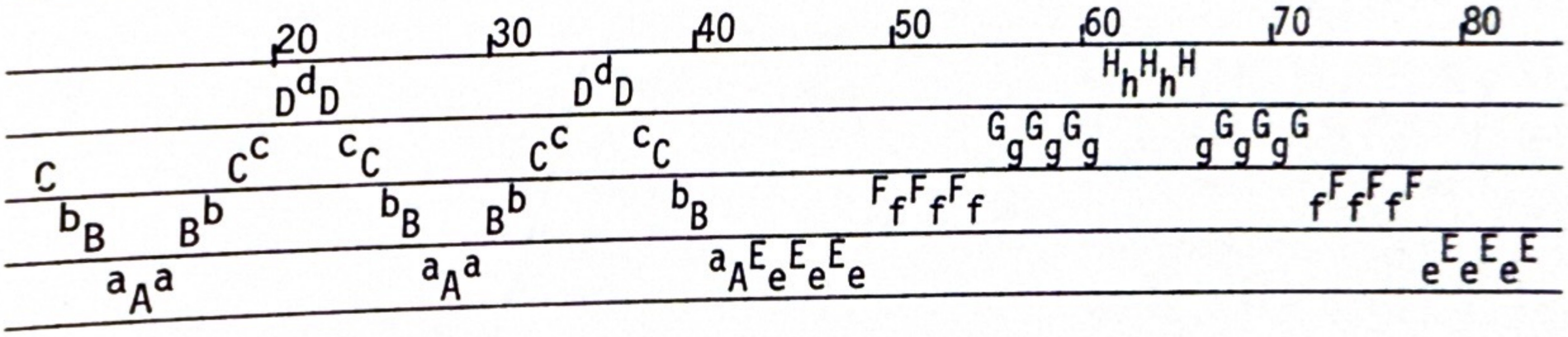
84 nds.

PROFILE


GGG HHH GGG
EEE FFF FFF EEE
C DD C C DD C C DD C
A B B A B B A B B A

THREADING 10


D d D
C c C
B b
A a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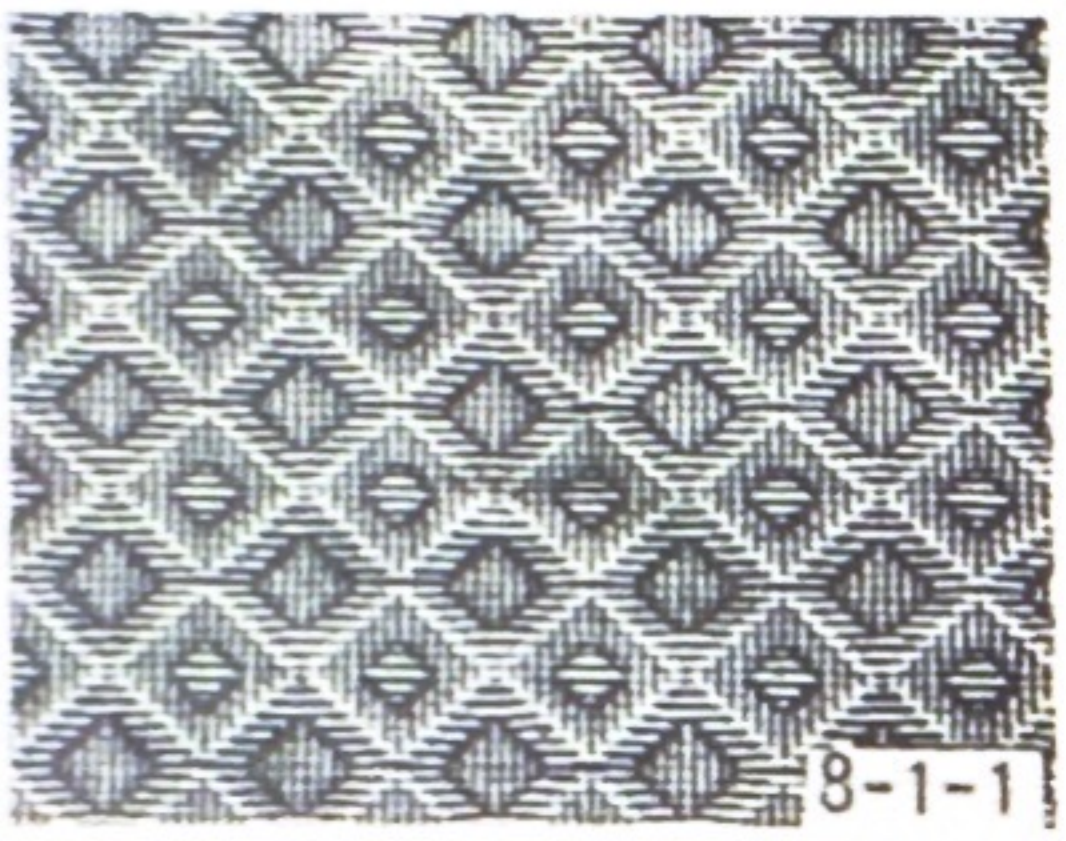
30
40
50
60
70
80
D d D
D d D
H h H h H
C
C c
c C
C c
c C
G g G g G g
g G g G g G
b B
B b
b B
B b
b B
F f F f F f
f F f F f F
a A a
a A a
a A E e E e E e
e E e E e E

TREADLE NUMBERS. Dark underlined.		UNIT-BLOCK designations.
1.	Tromp as writ.	Same as threading
2.	12345678 21436587	ABCD EFGH
3.	12345678 214365 878 563412 876543 2	ABCD EFG HH GFE DCB
4.	878 5634 121 4365 878 123456 787 654321	HH GF E FG HH ABC DD CBA
5.	8 78x3 56x3 34x3 1212121 43x3 65x3 87x3 8 7 87x3 65x3 43x3 2121212 34x3 56x3 78x3 7	HHHH GGG FFF EEE FFF GGG HHHH DDDD CCC BBB AAA BBB CCC DDDD
6.	878 56 34x2 1212121 43x2 65 878 787 65 43x2 2121212 34x2 56 787	HH G FF EEE FF G HH DD C BB AAA BB C DD
7.	12x3 34x3 56x3 78x3 7 8 78x3 56x3 34x3 12x3	AAA BBB CCC DDDD HHHH GGG FFF EEE
8.	2121212 34x3 5656565 43x3	AAA BBB CCCC BBB
9.	878 5634 121 4365 878 787 6543 212 3456 787	HH GF E FG HH DD CB A BC DD
10.	876543 212 345678 785634 121 436587	Novelty interlacement.
11.	12345678 212 876543 2	ABCD EE DCB
12.	212 3456 345678 567821 7821 434 1287 128765 876543 6543	A BC BCD CDE DE FF ED EDC DCB CB

See 6-19, for six shaft version of this threading, proportions different.

Eight Harness Pictures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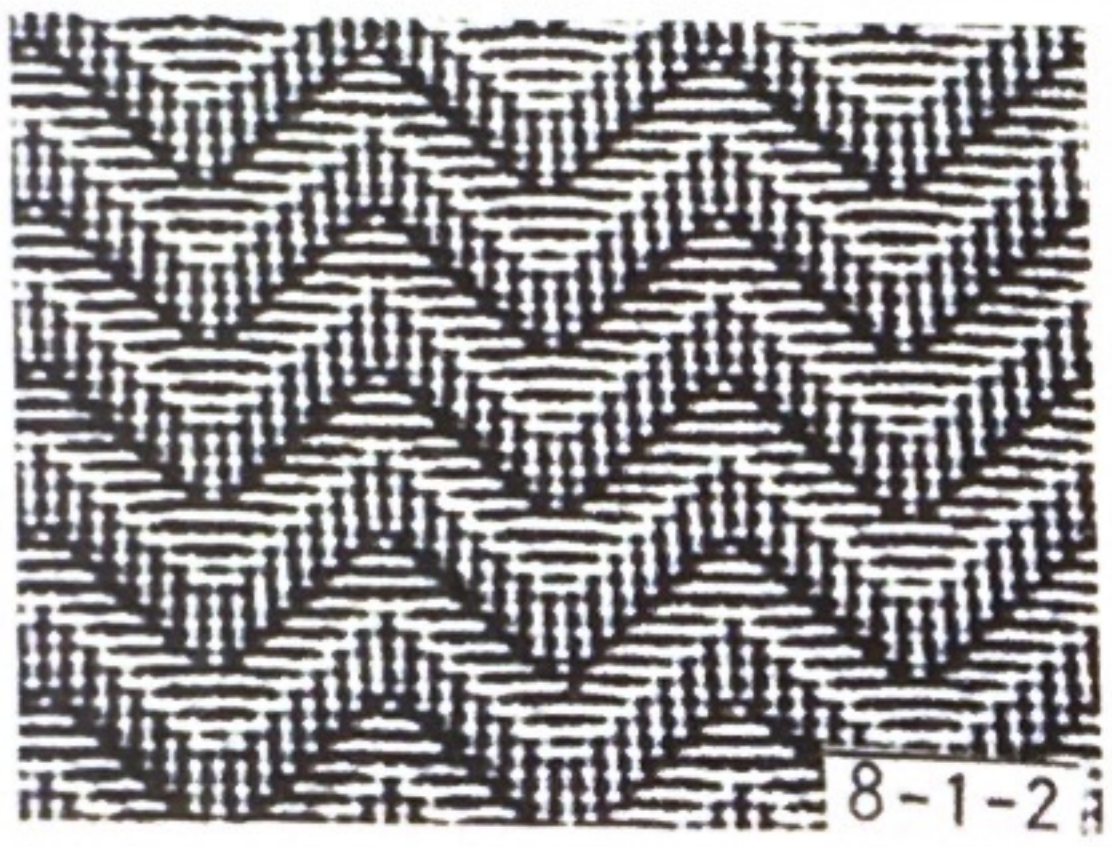
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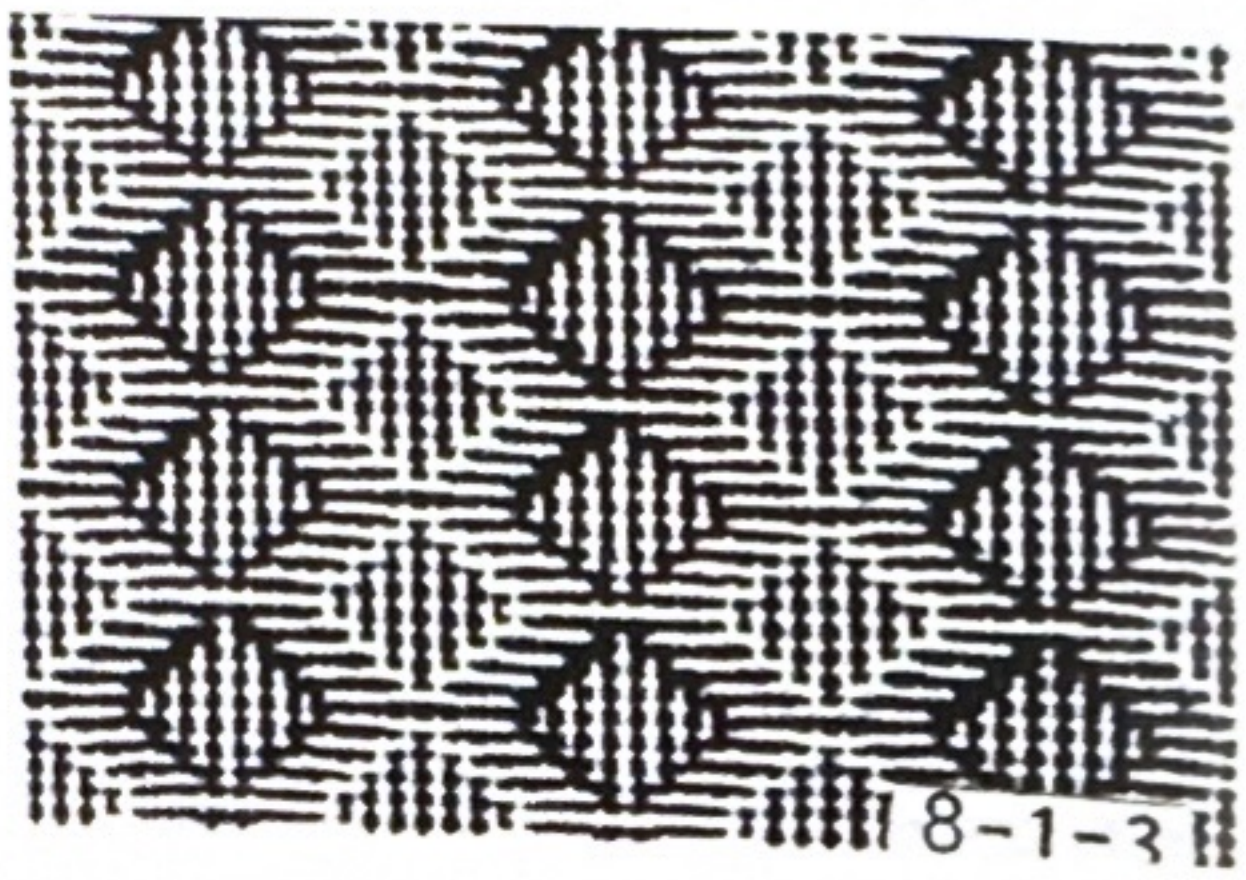
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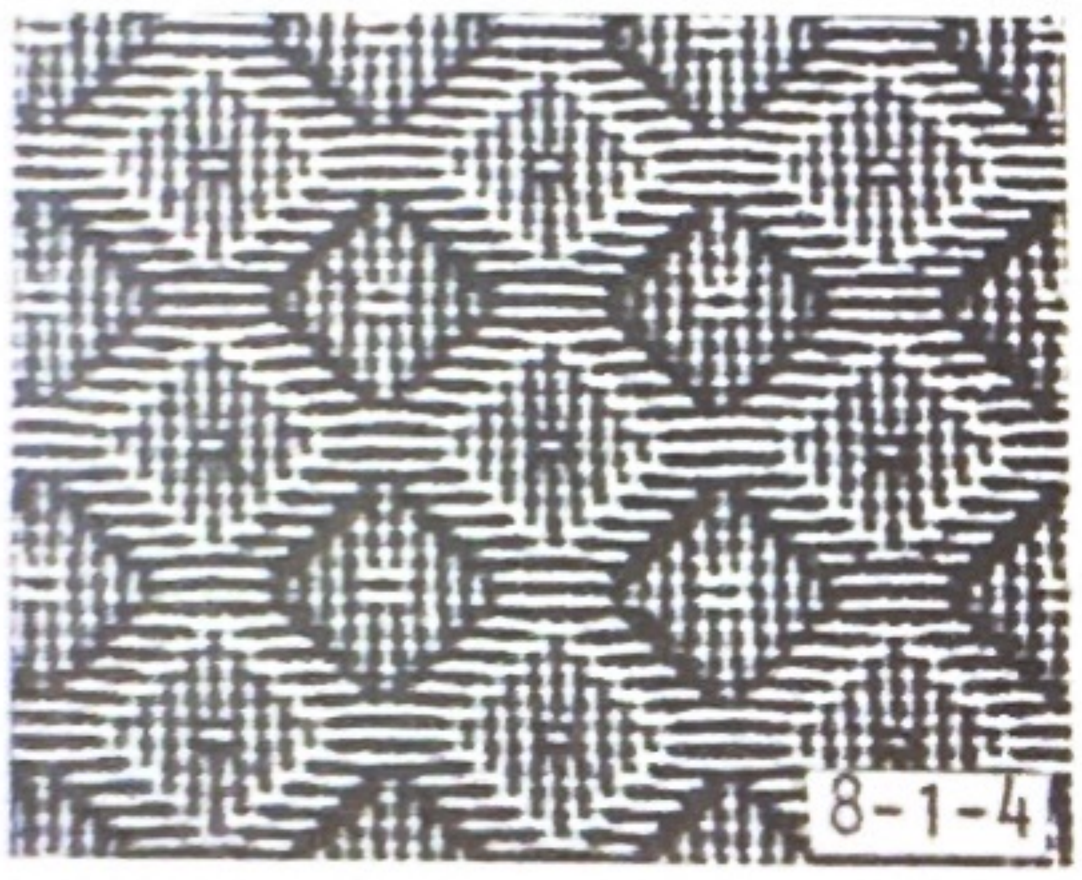
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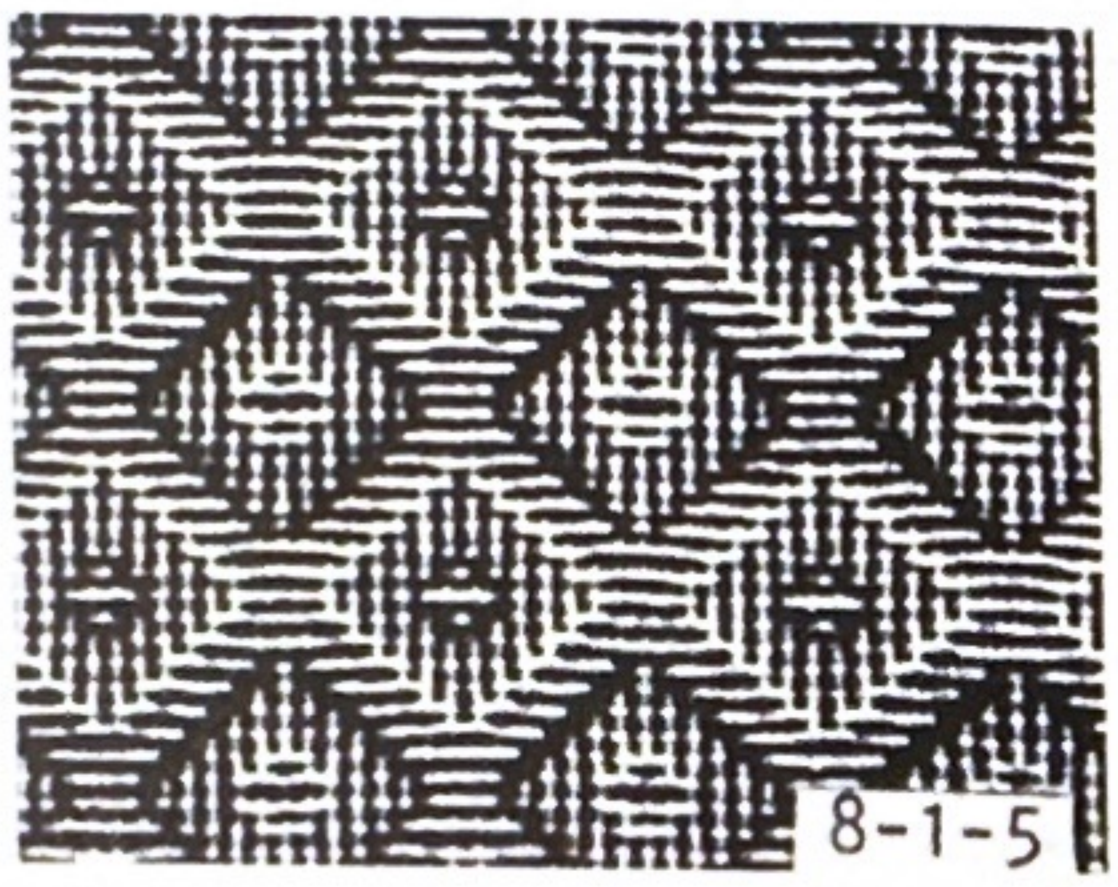
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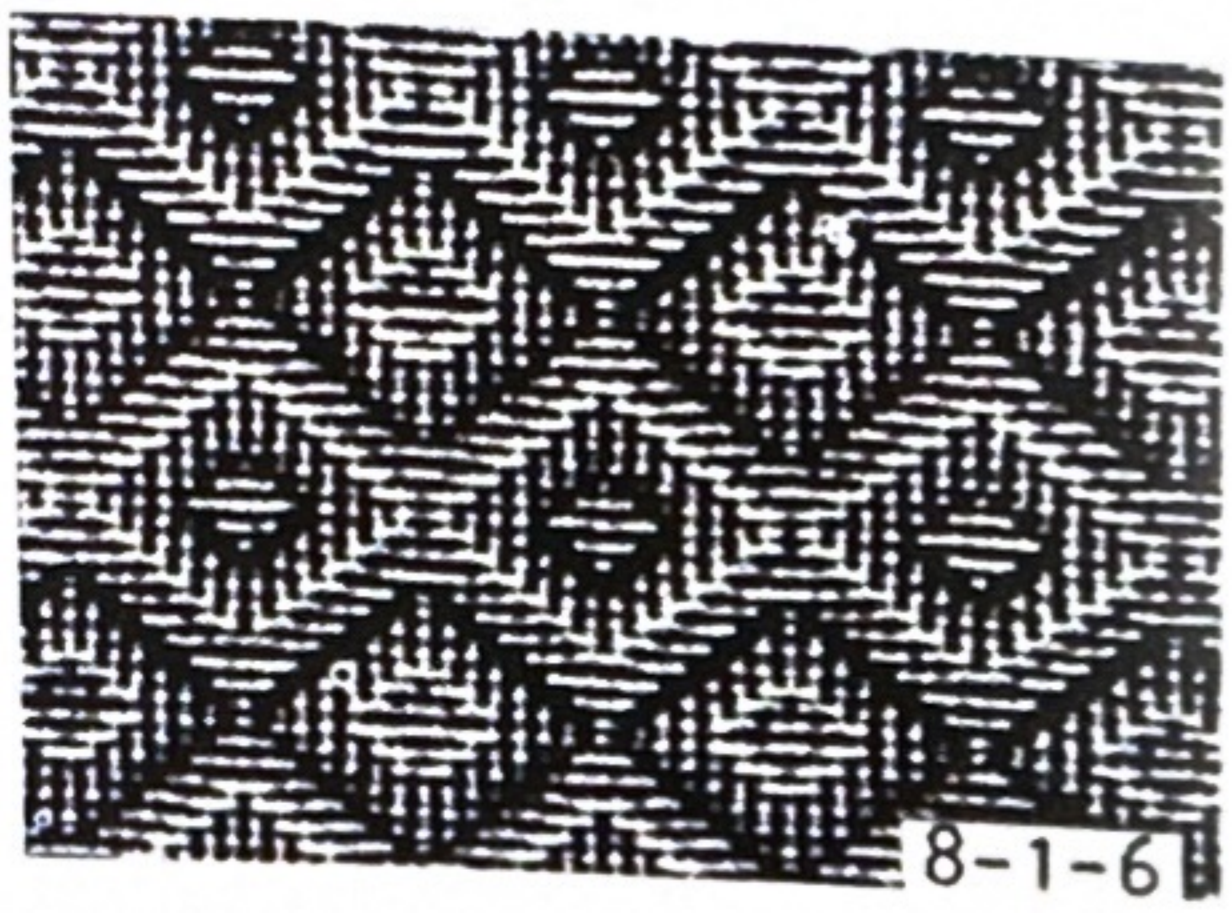
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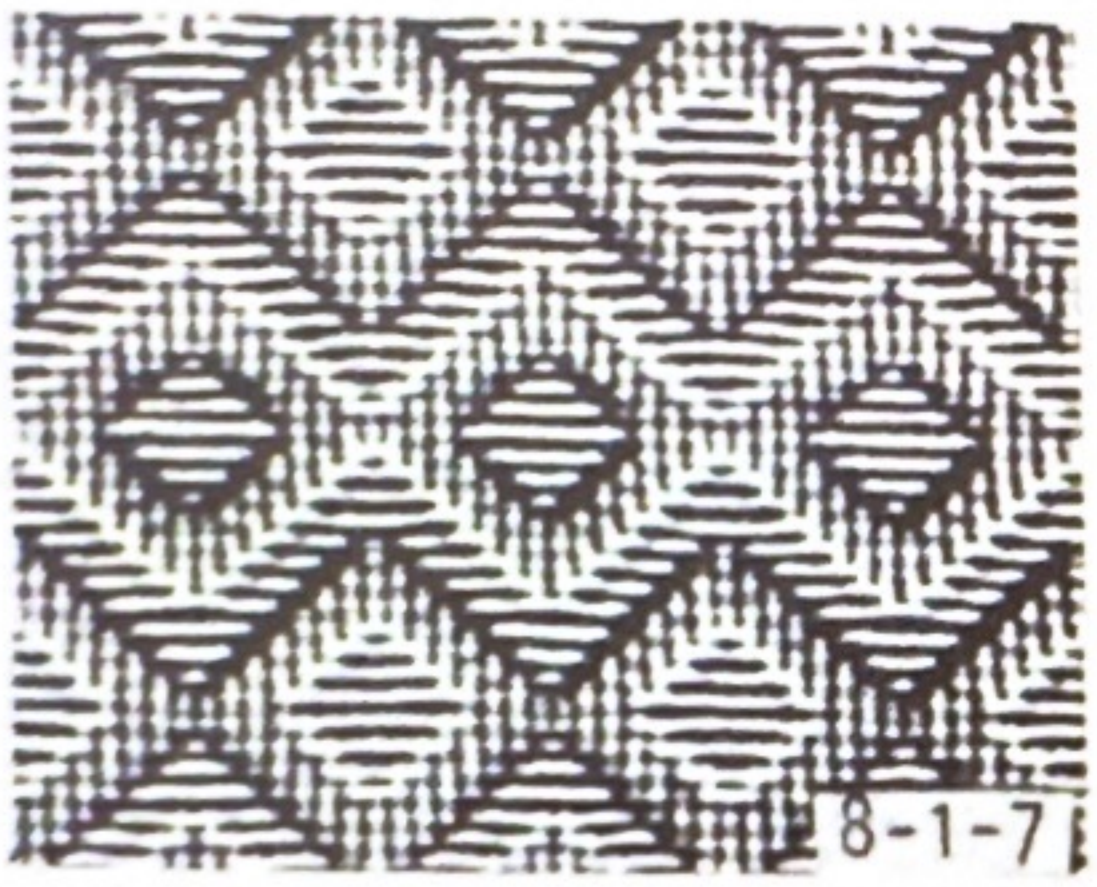
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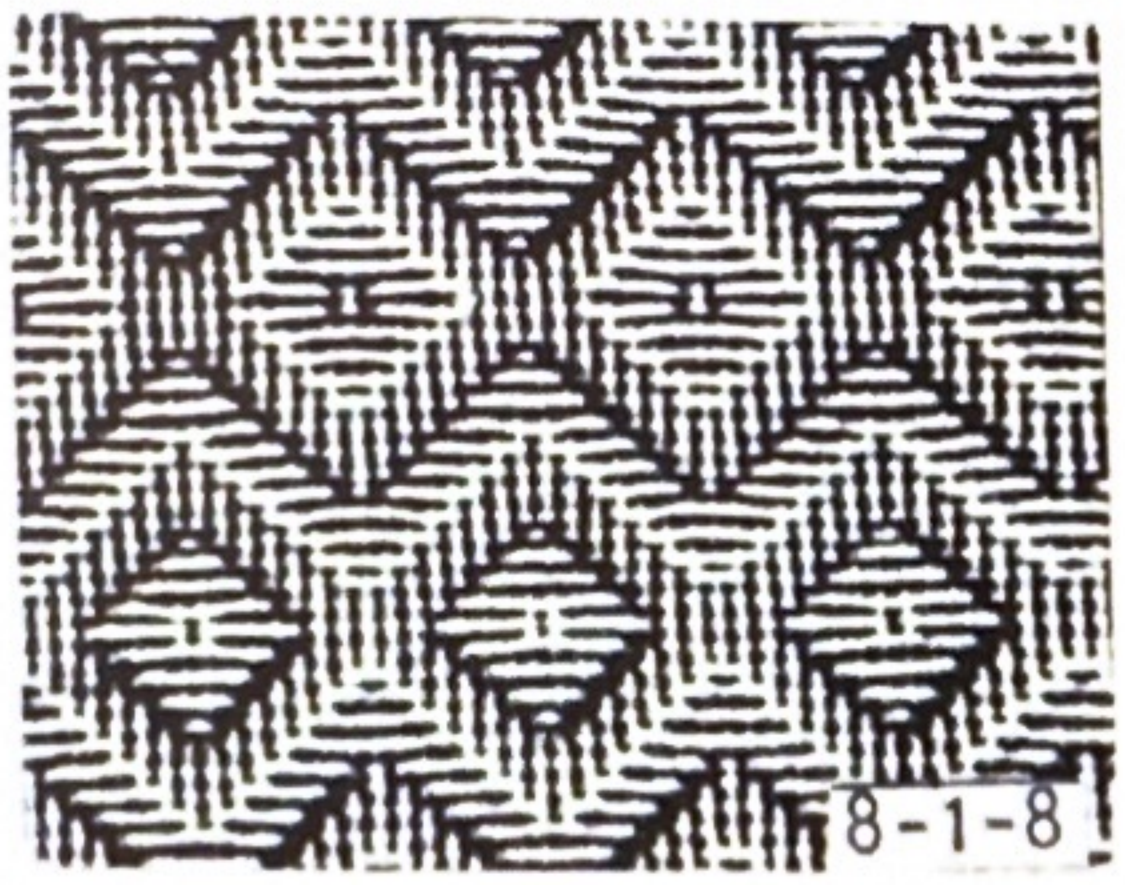
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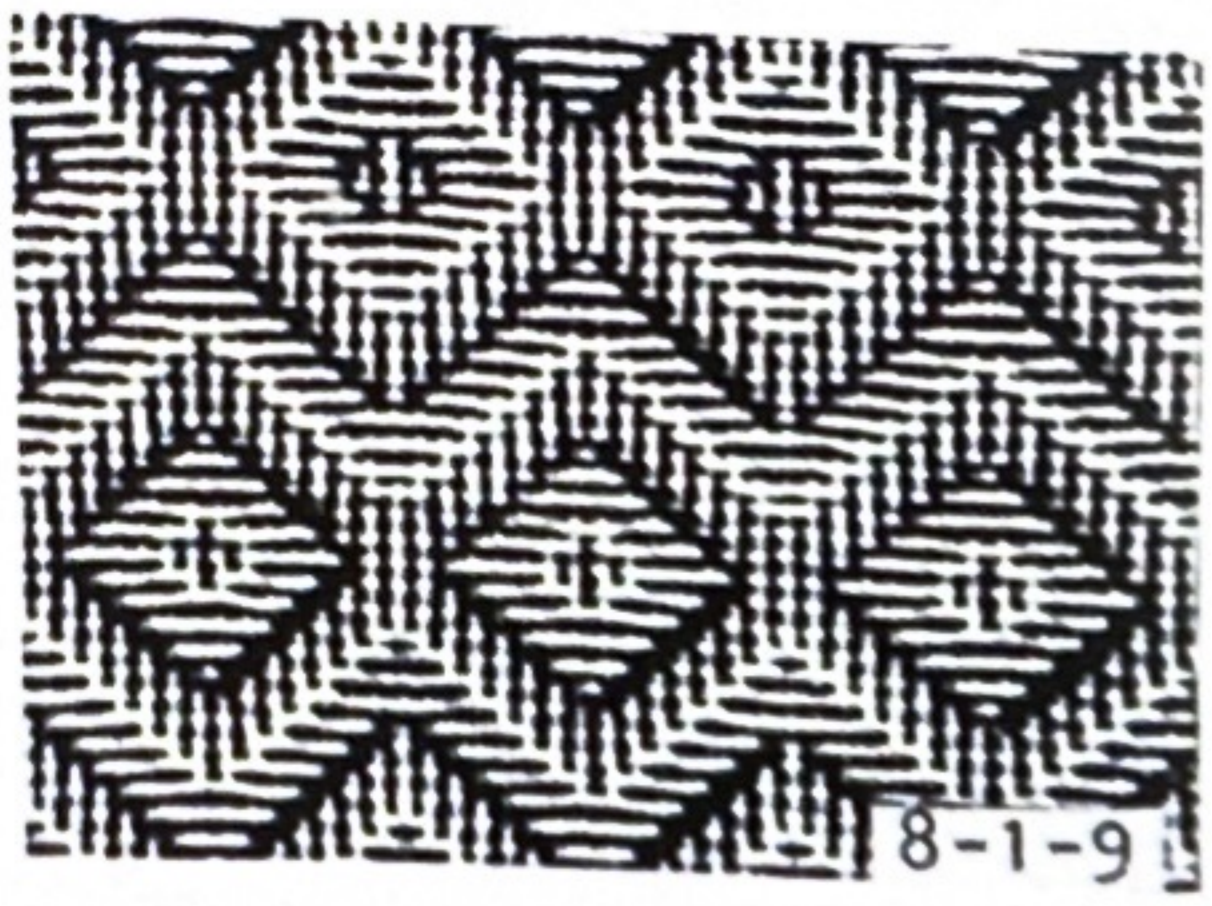
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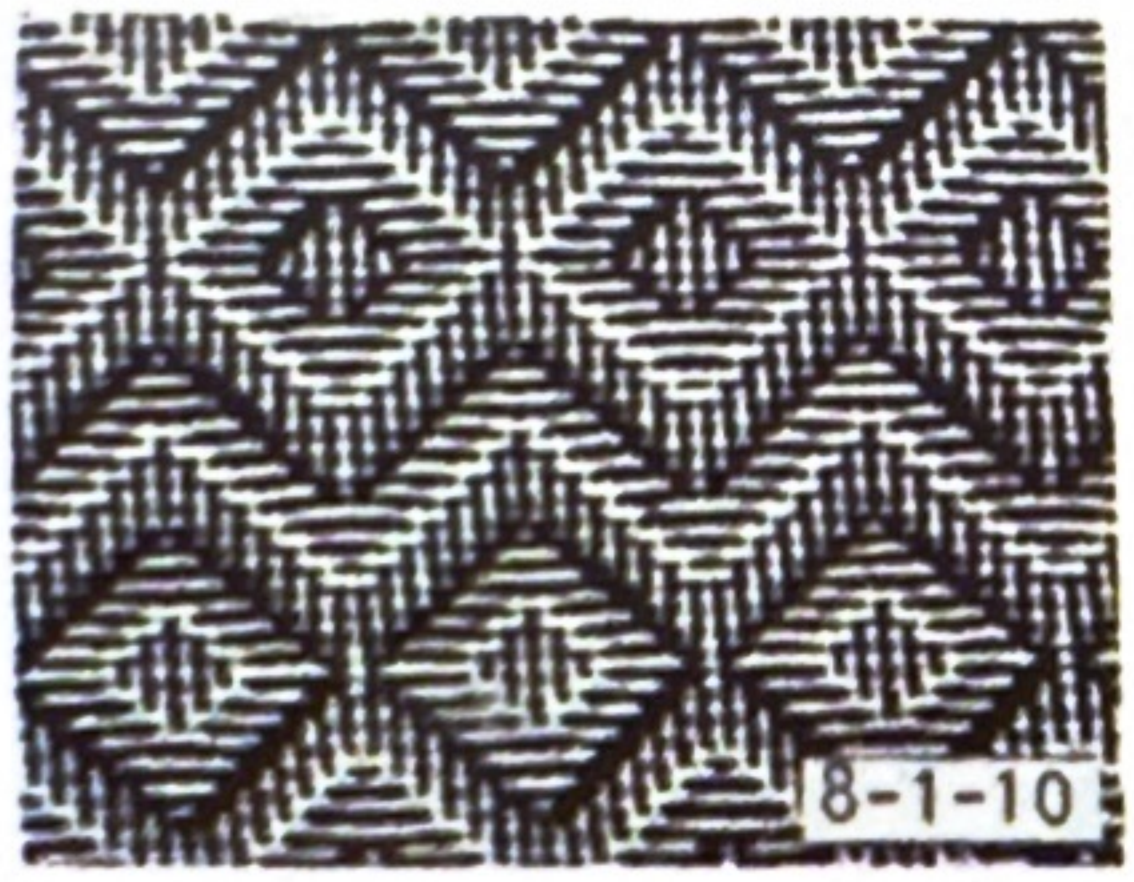
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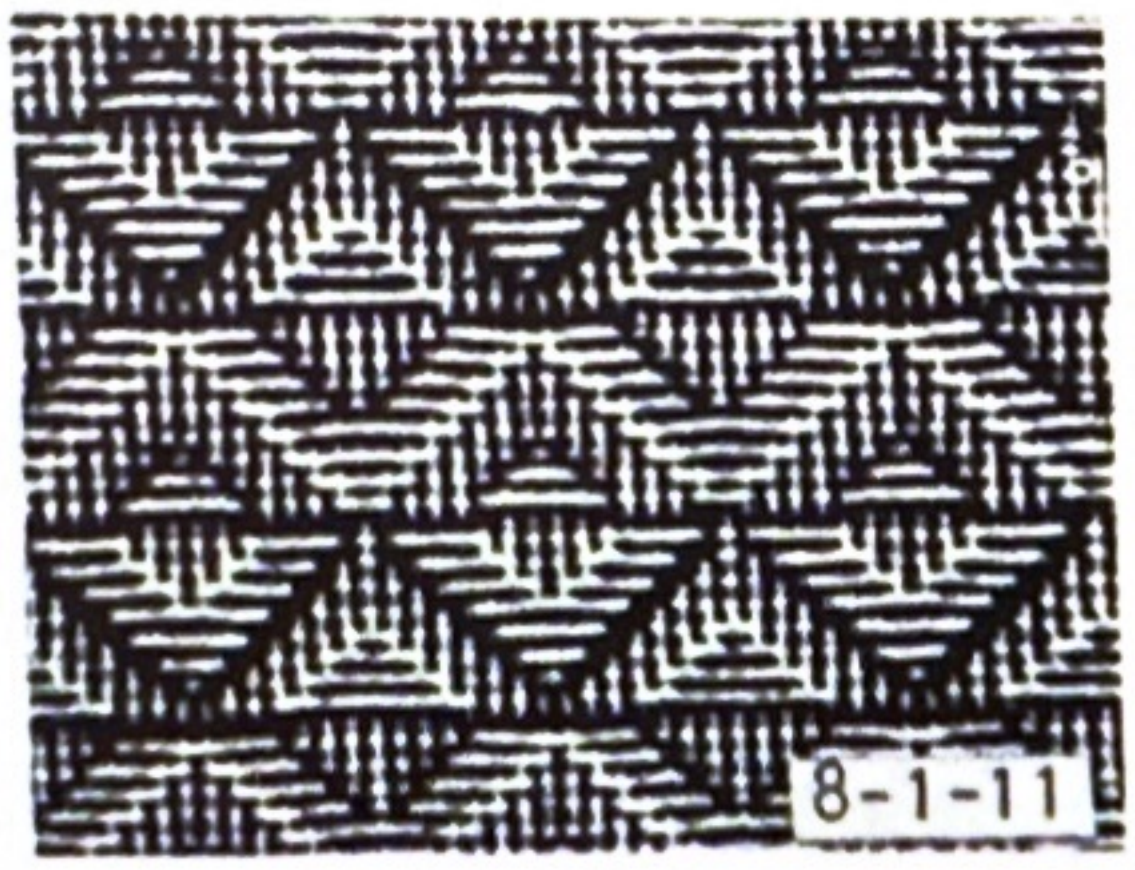
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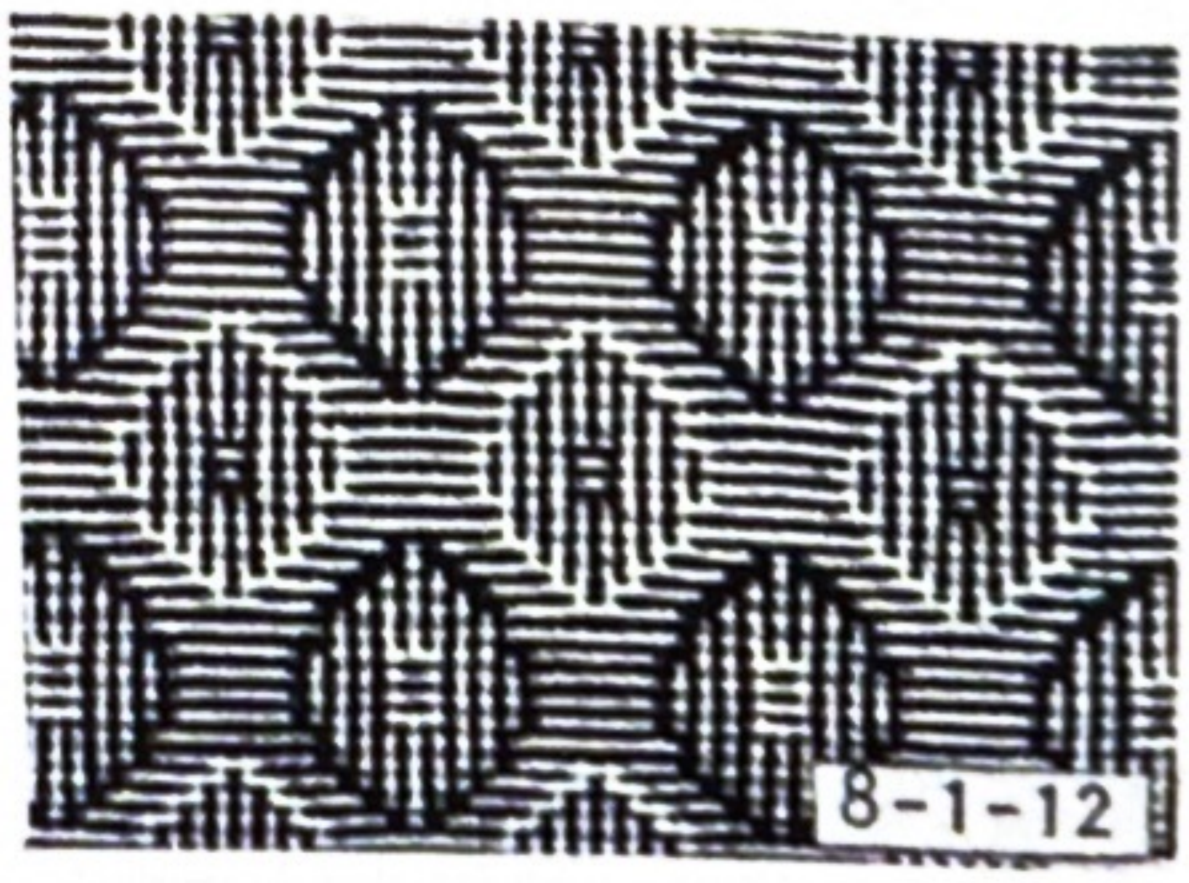
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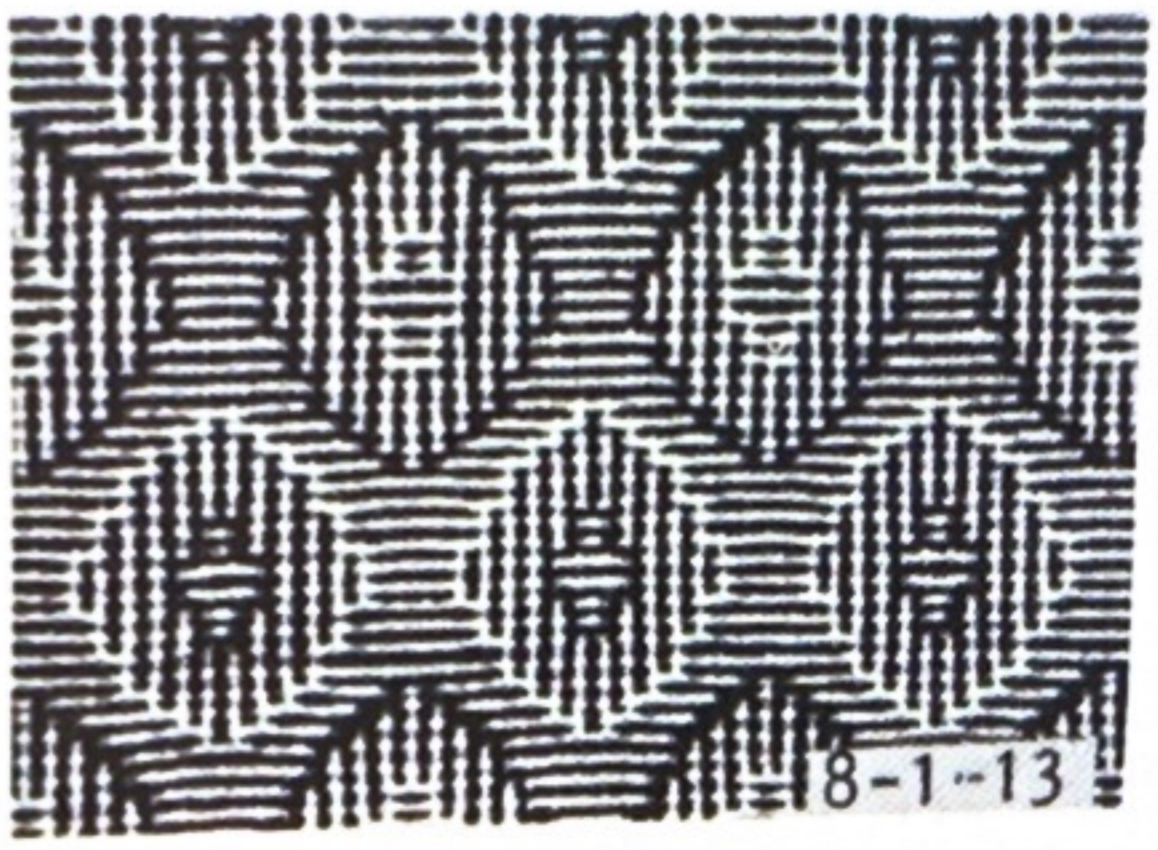
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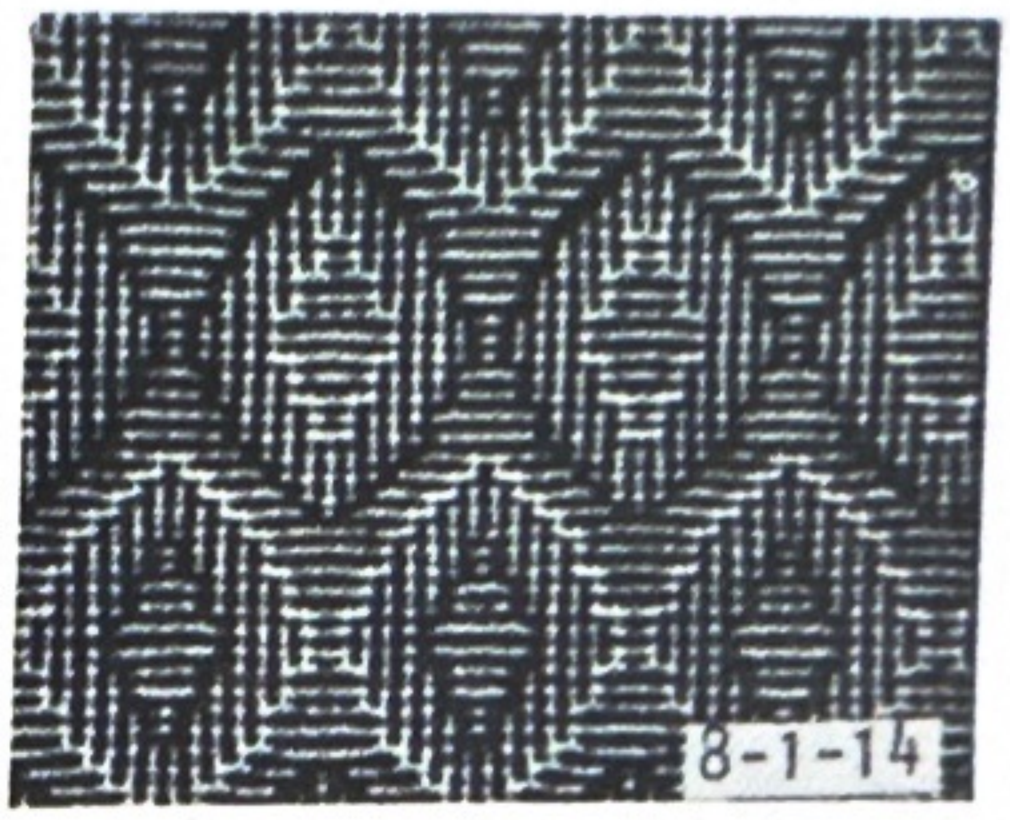
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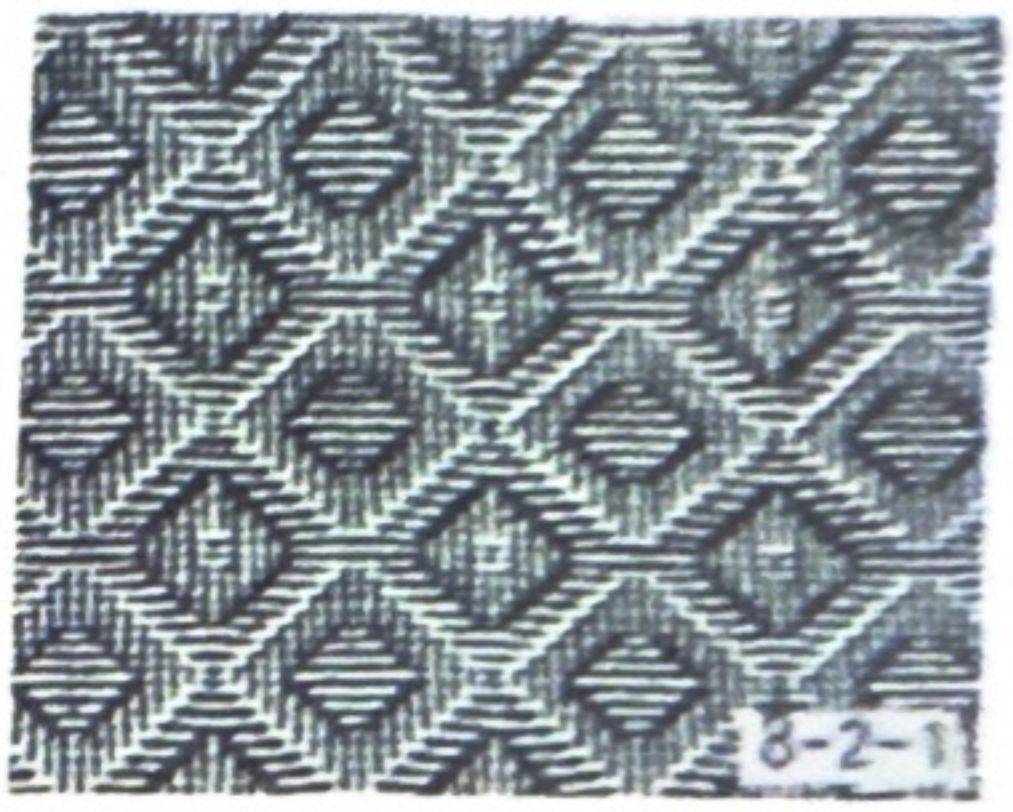
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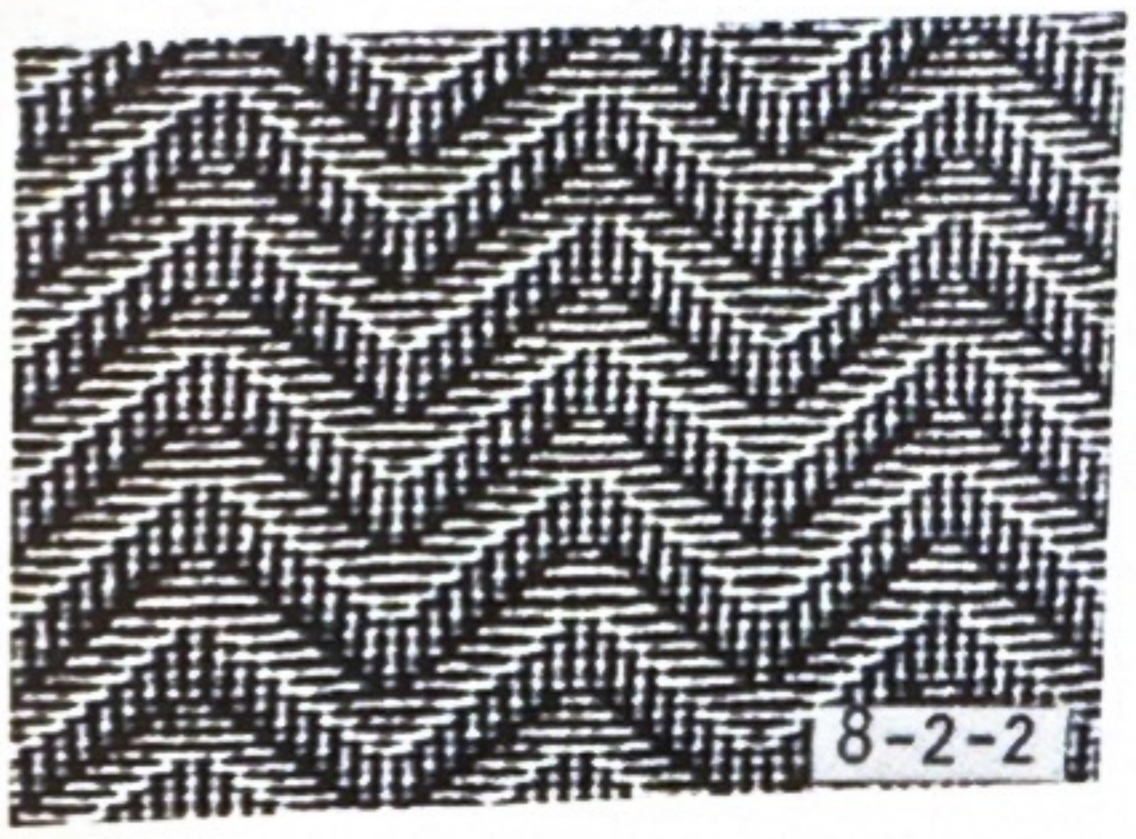
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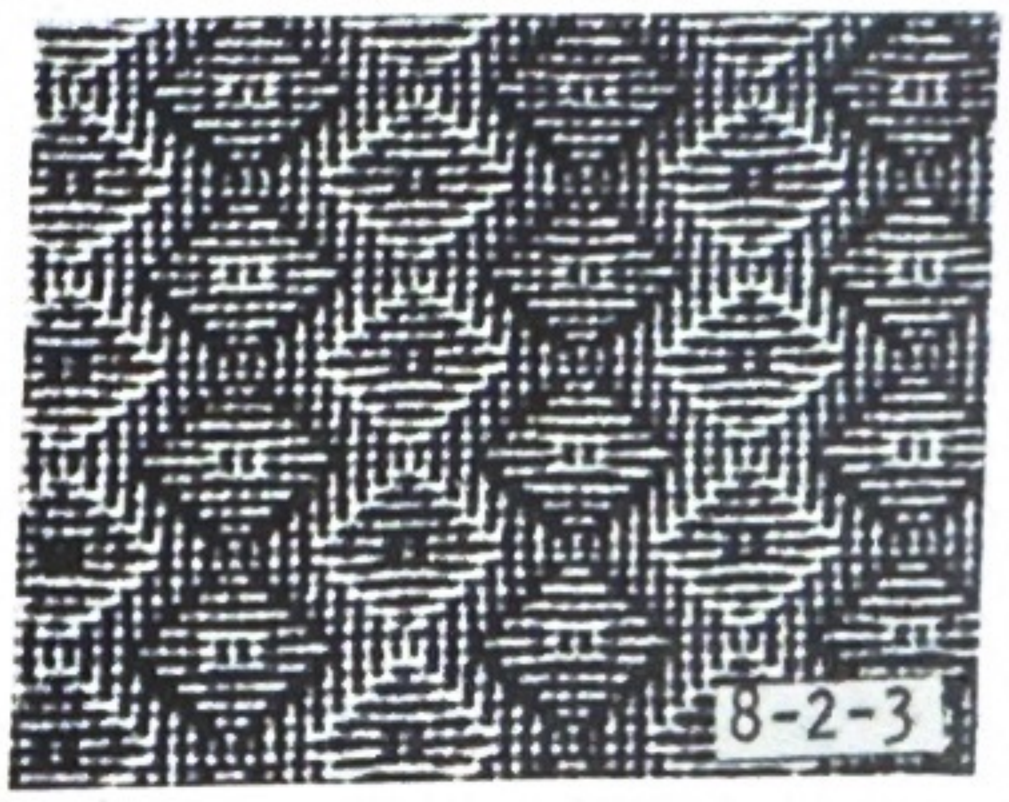
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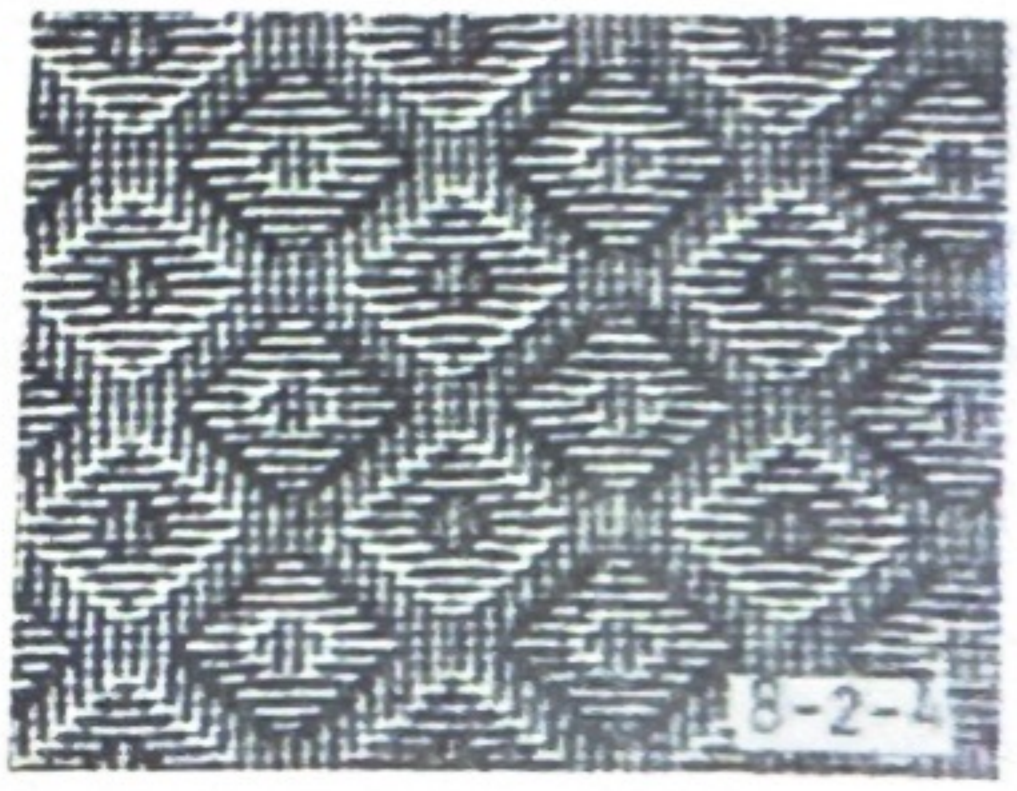
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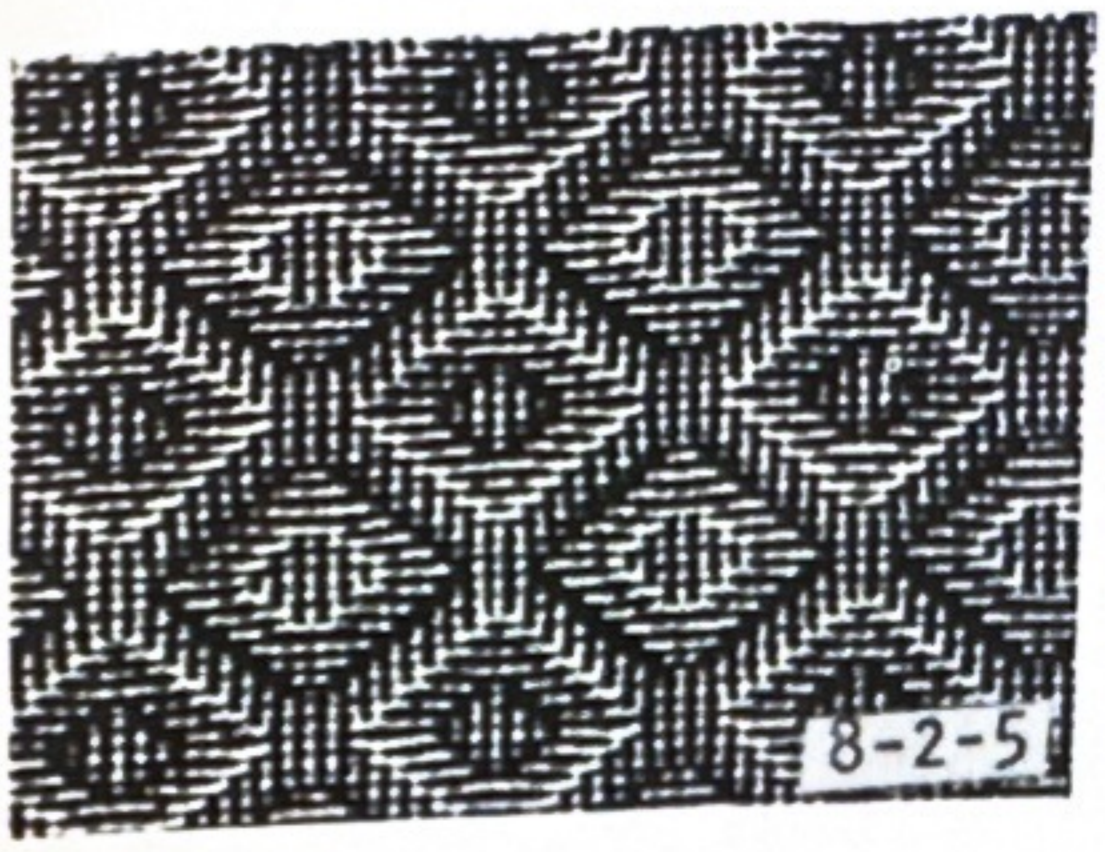
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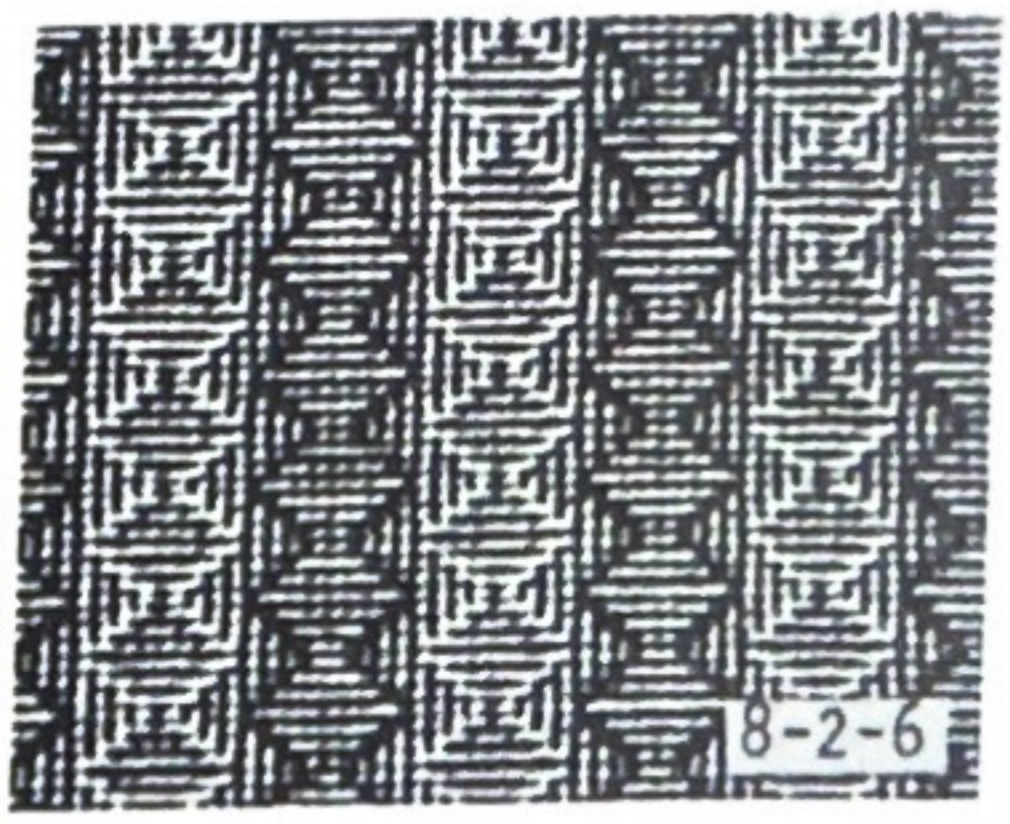
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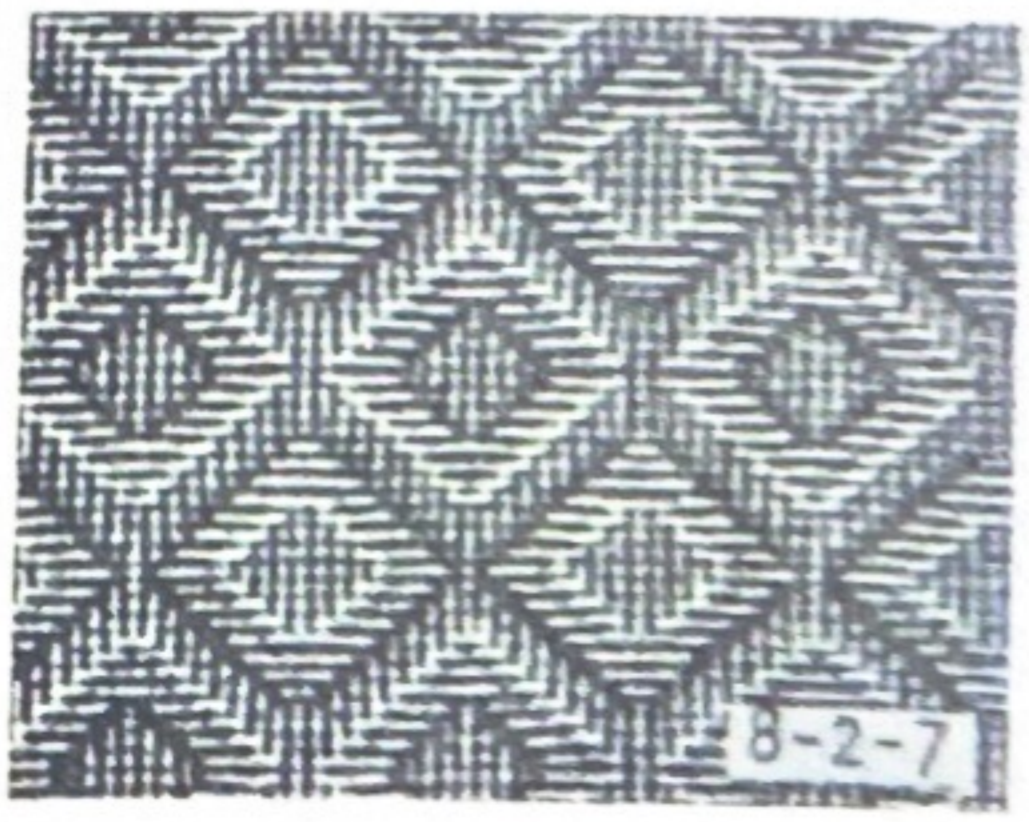
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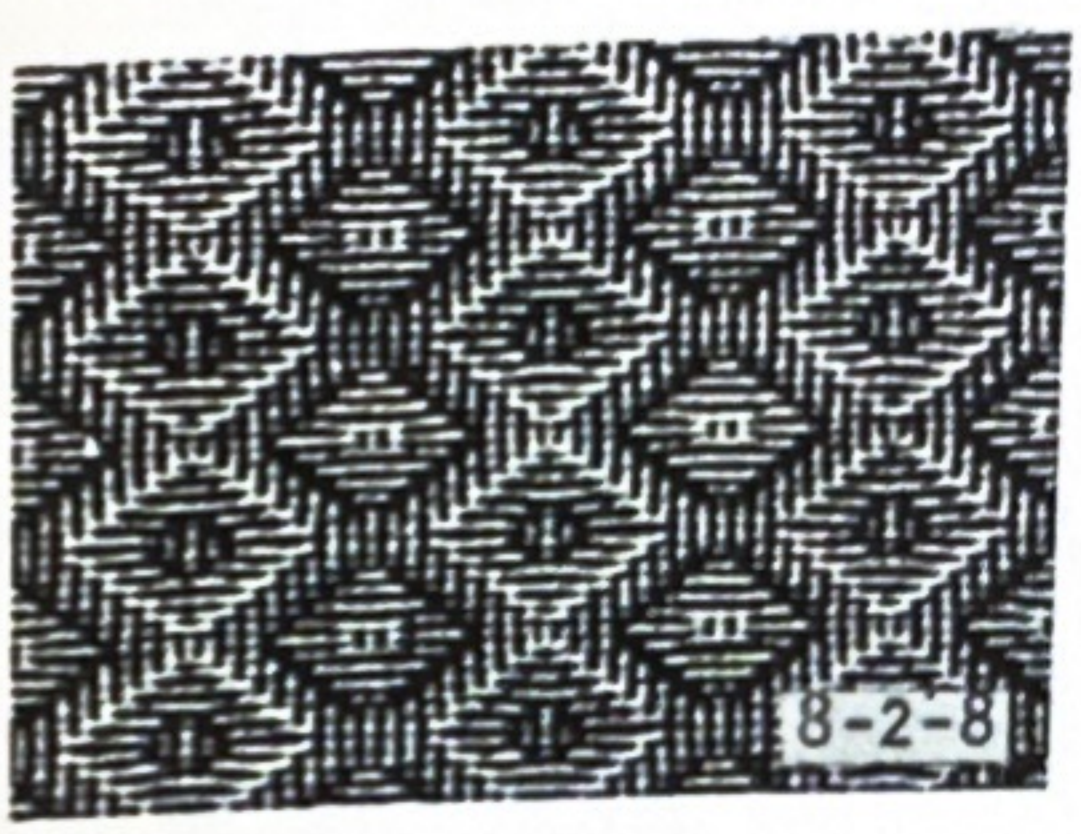
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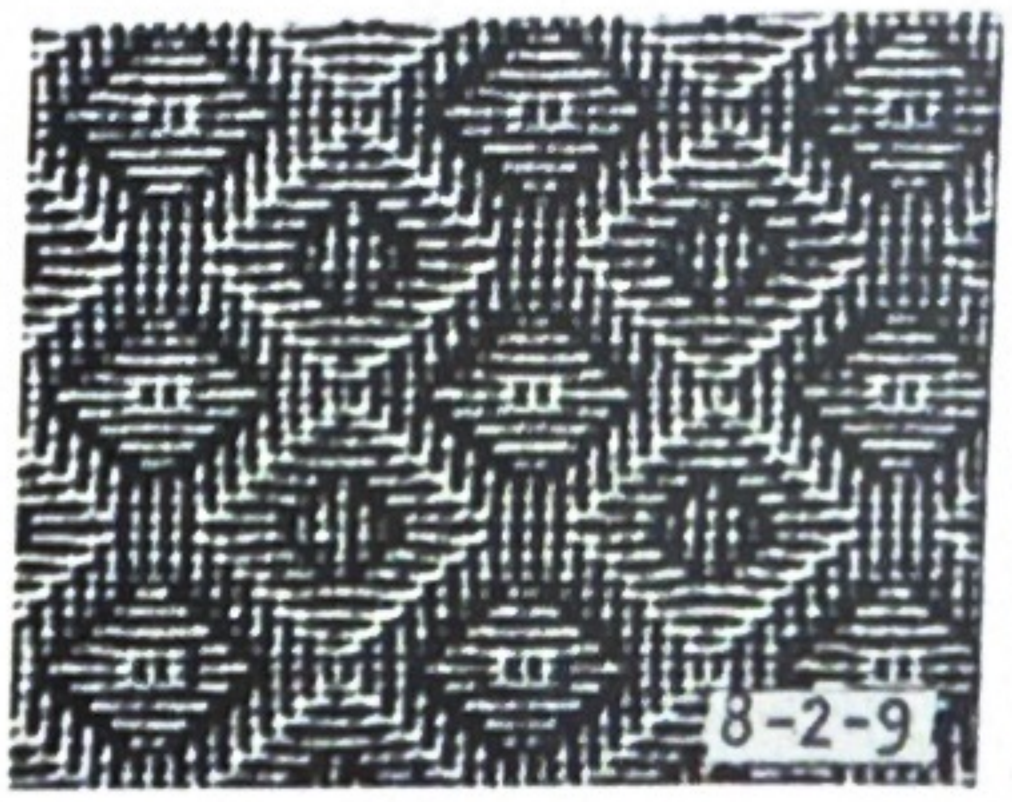
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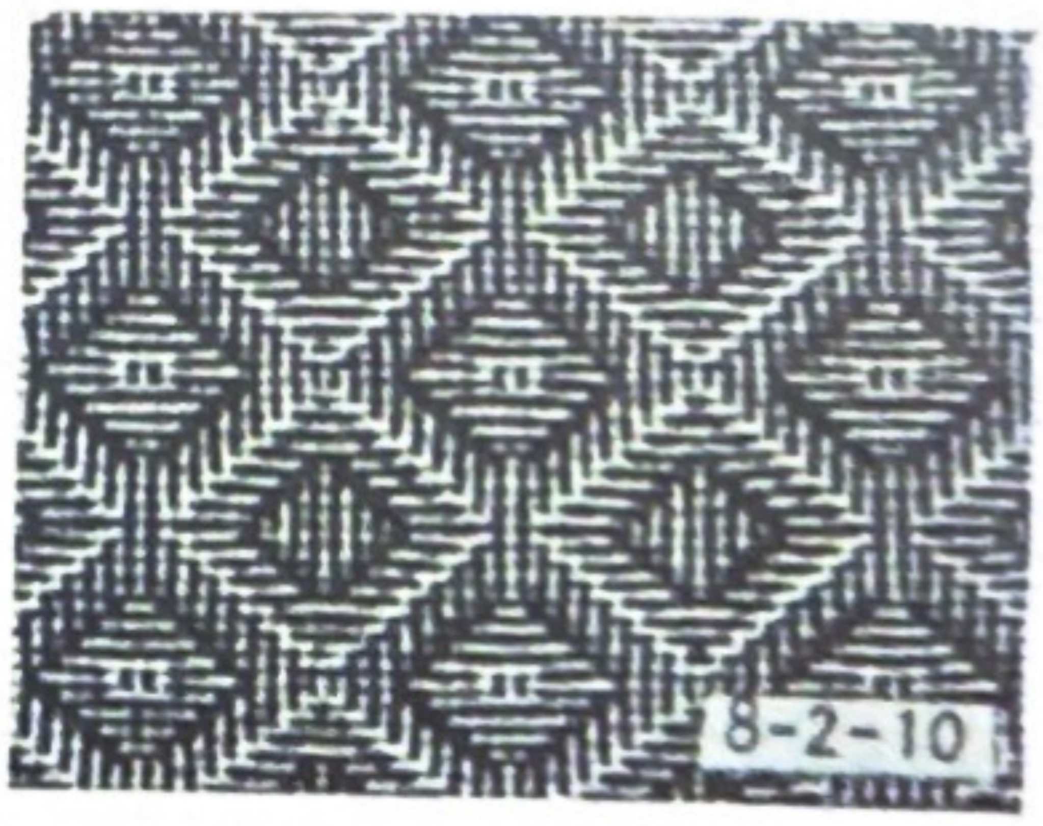
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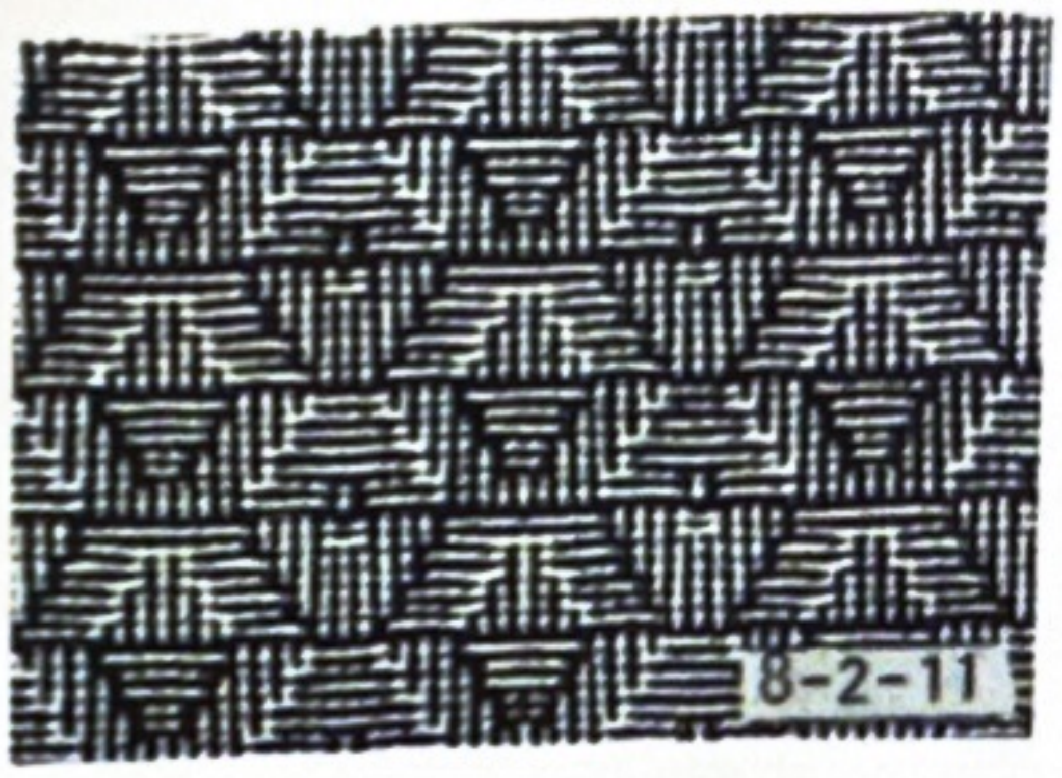
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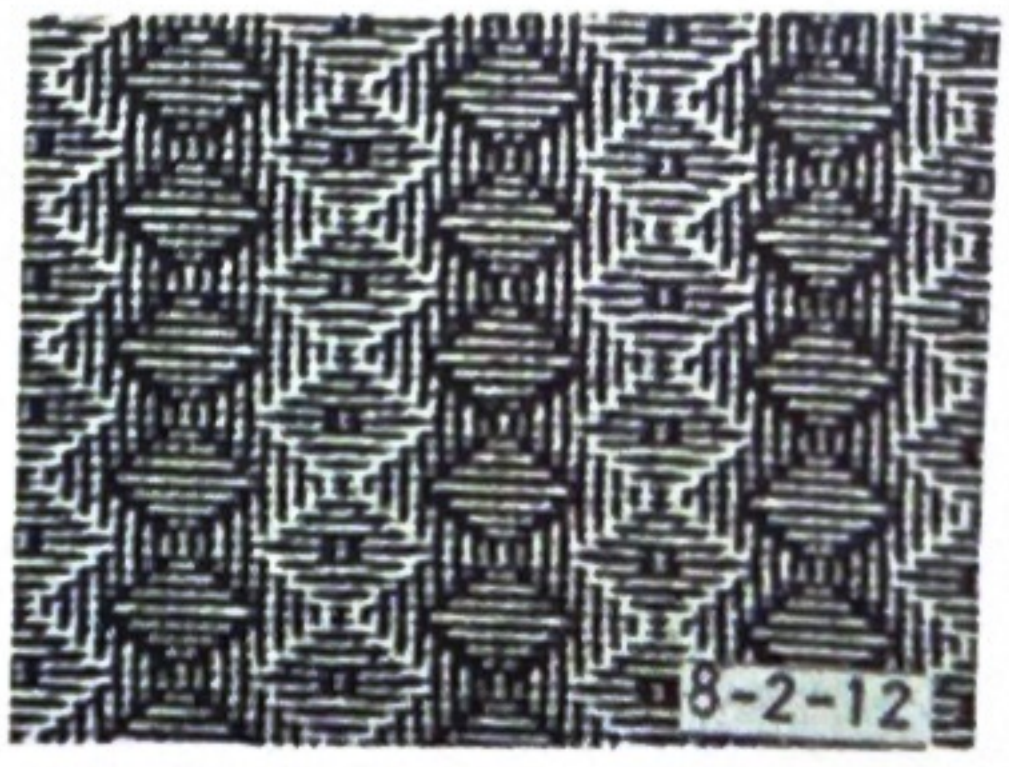
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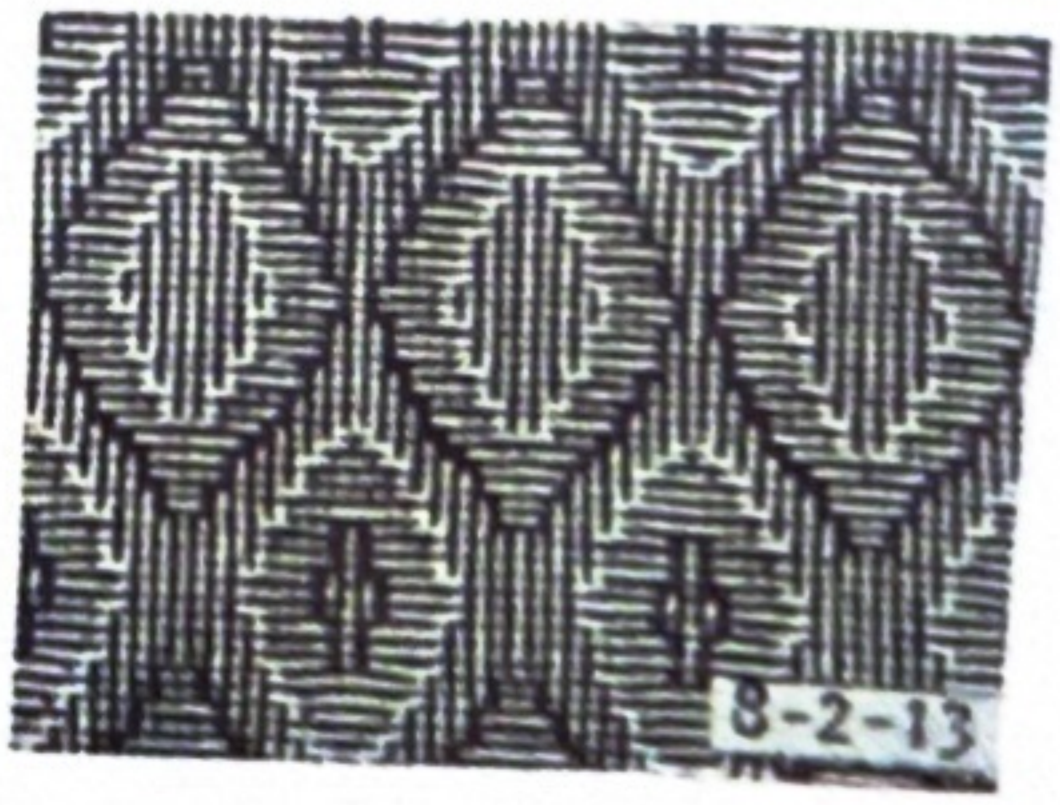
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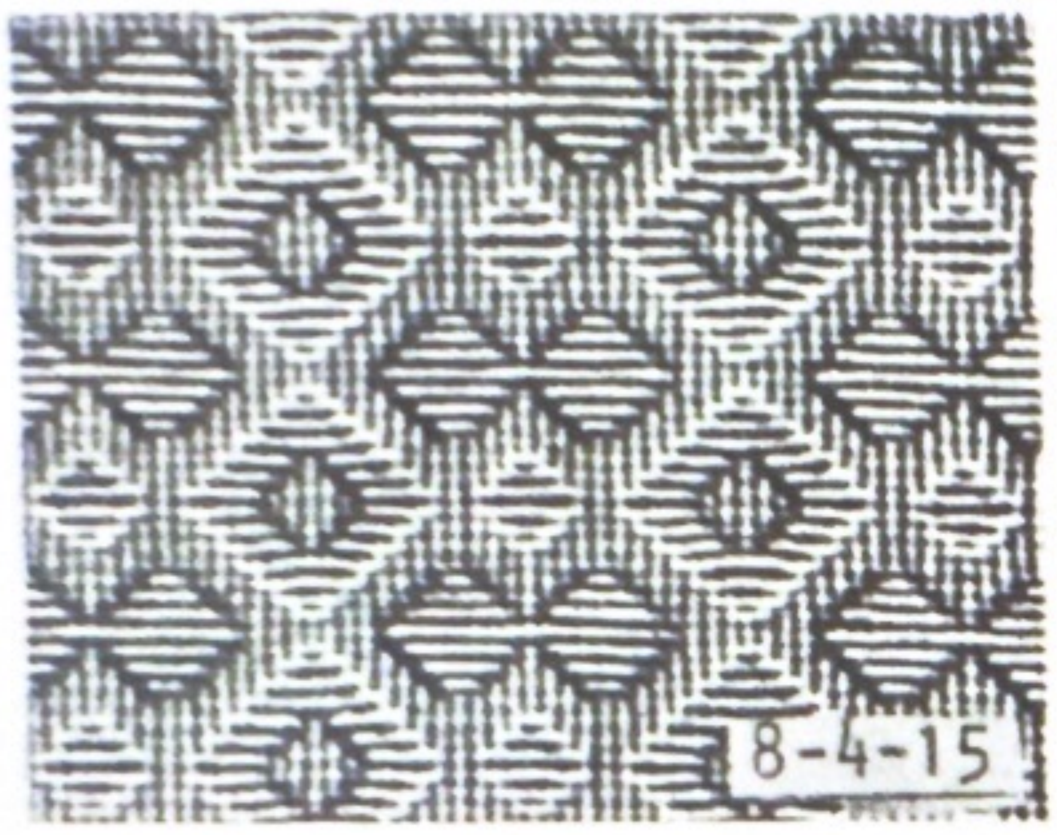
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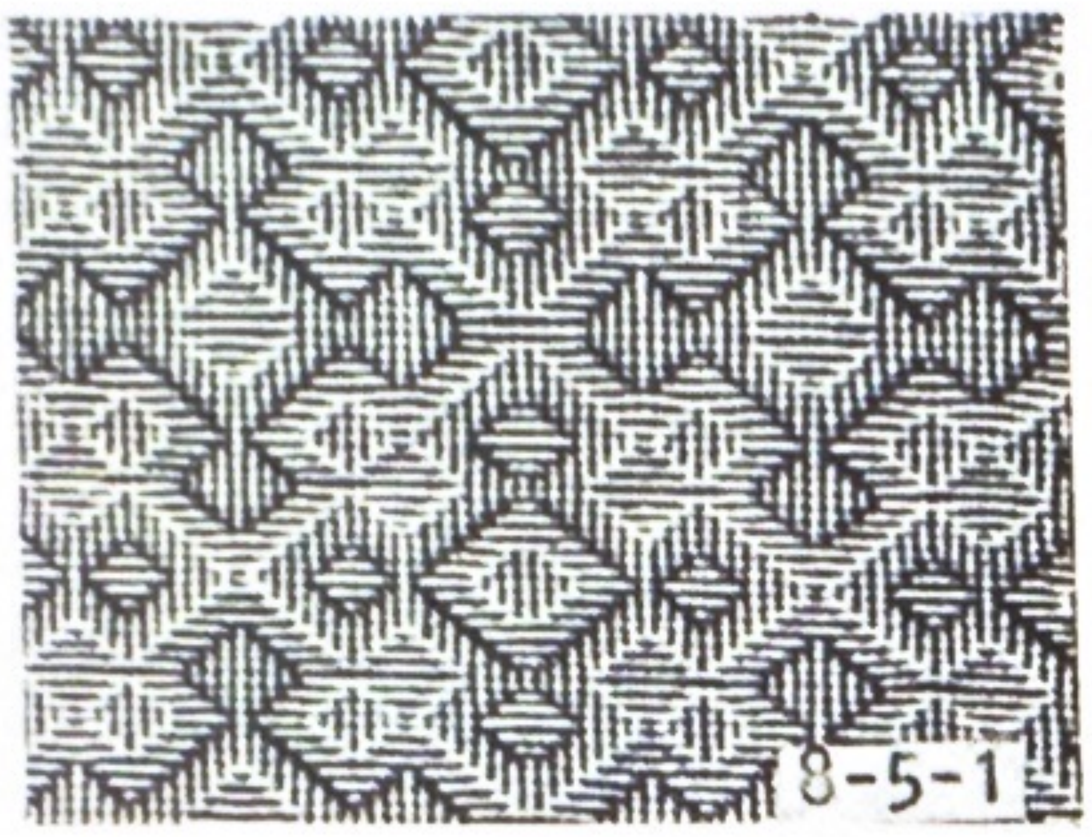
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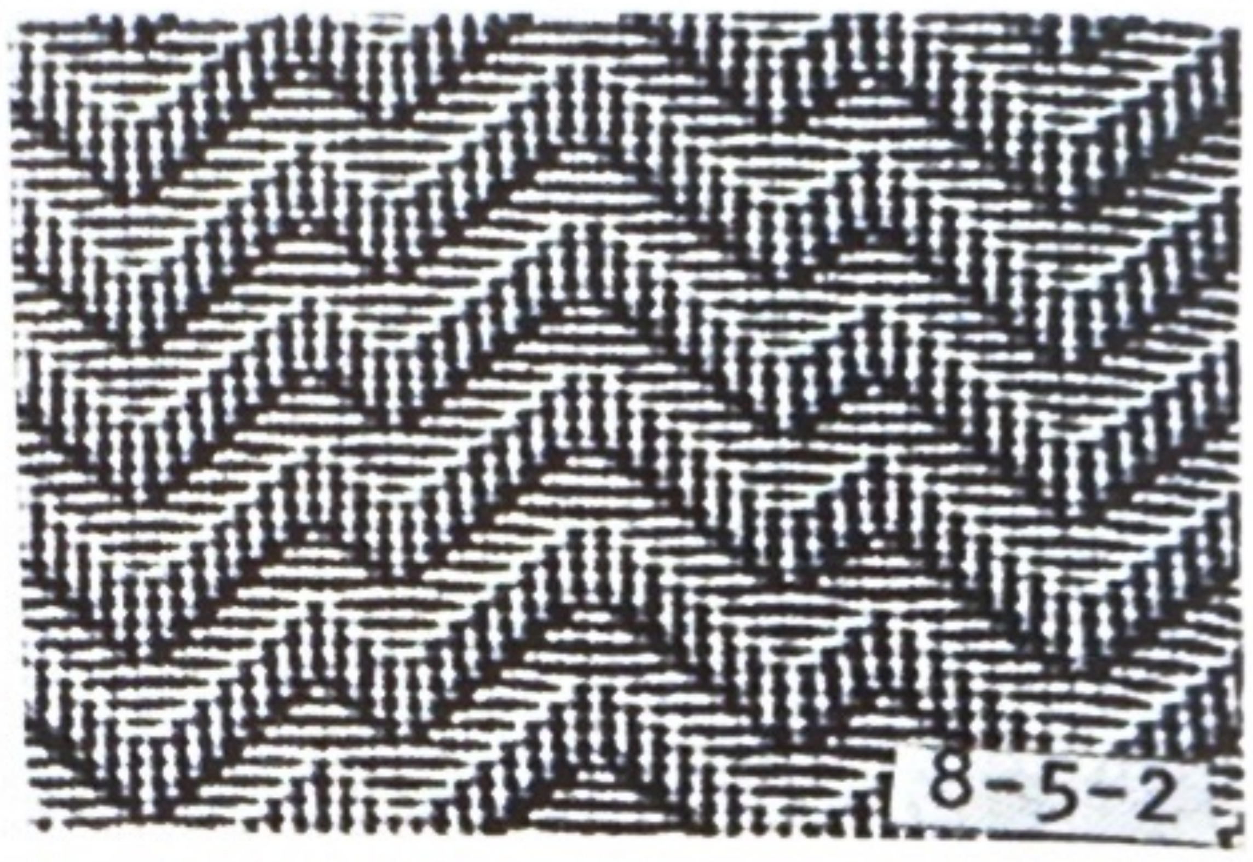
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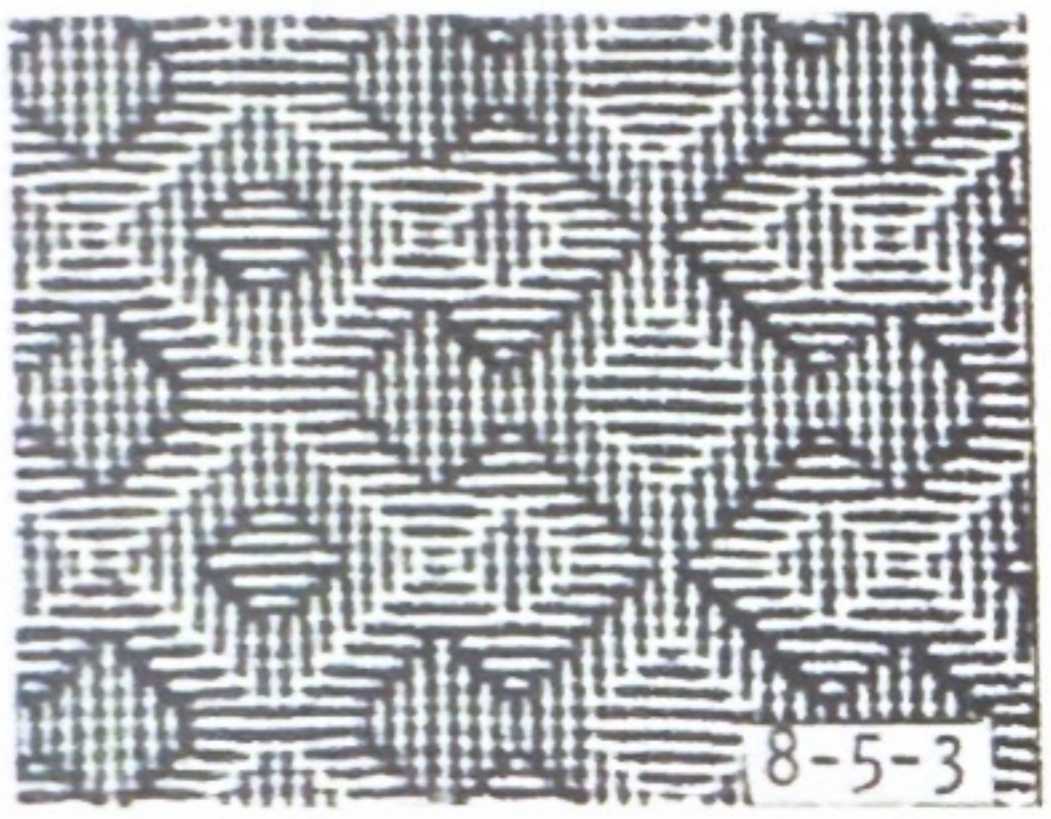
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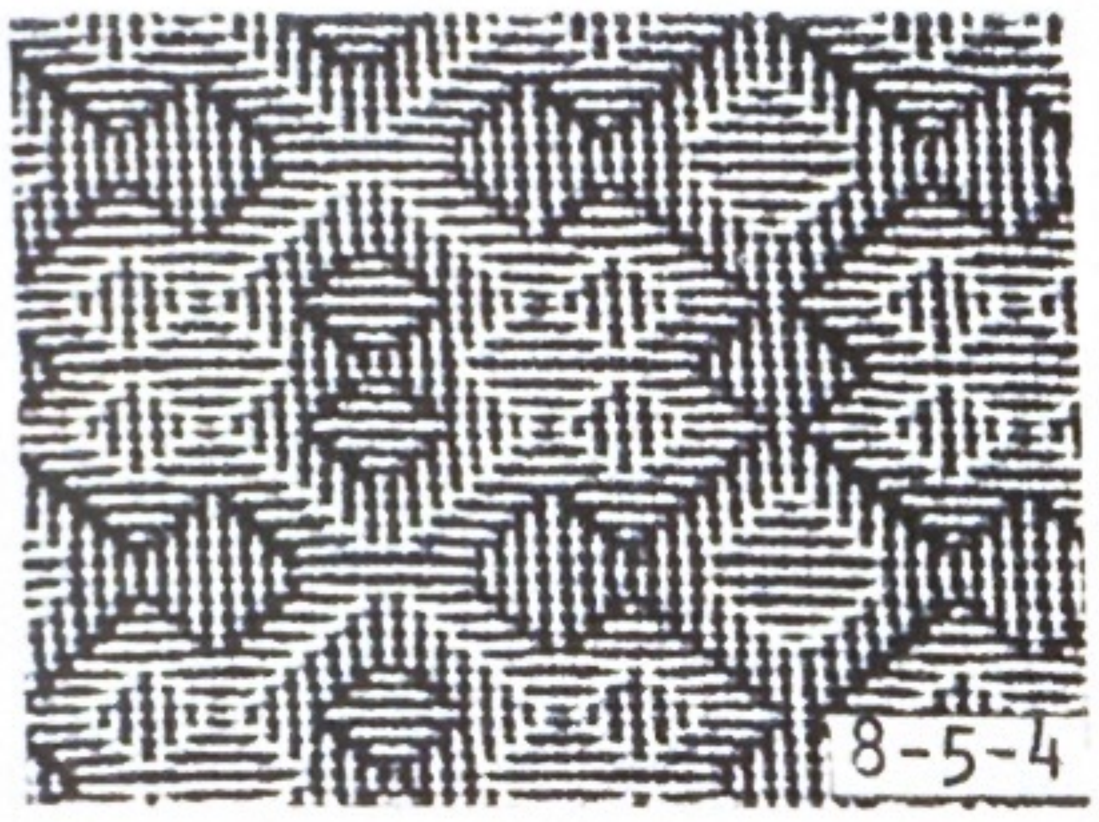
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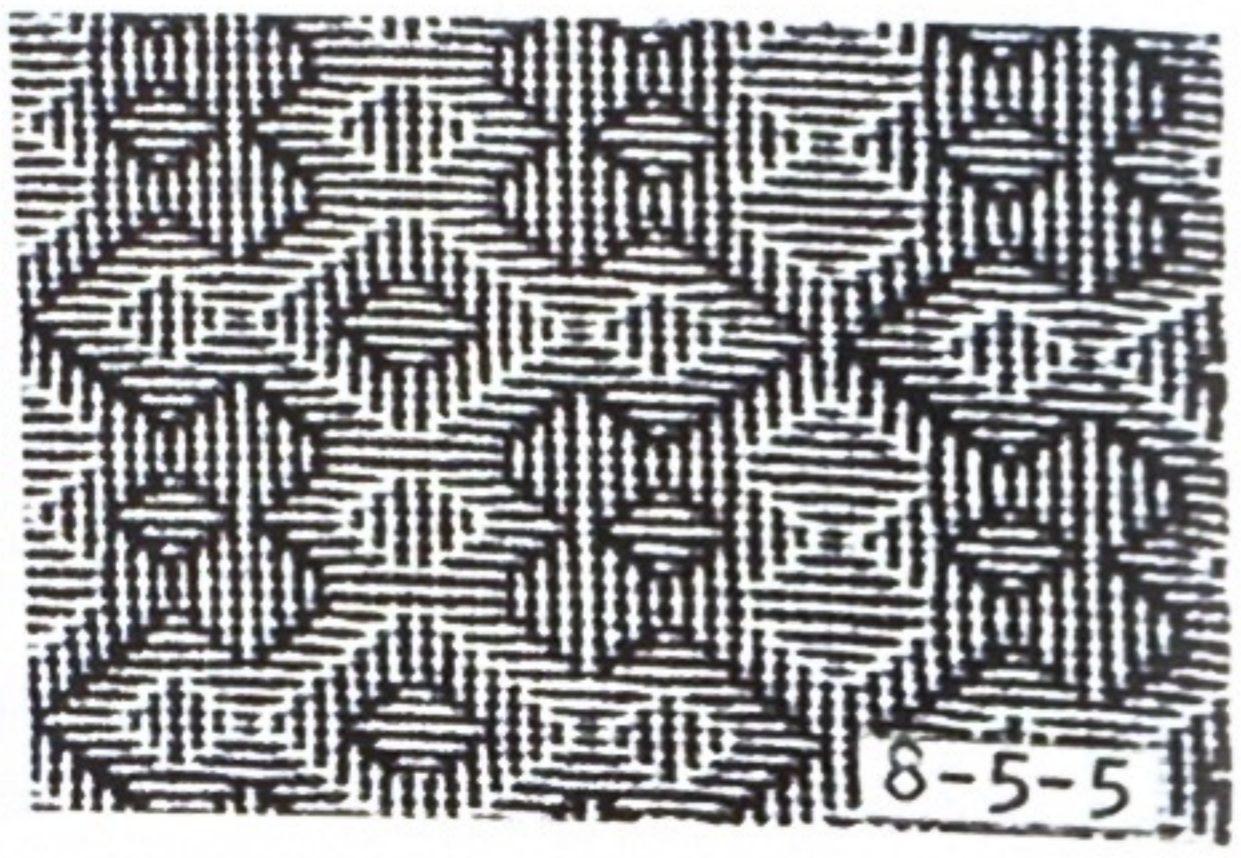
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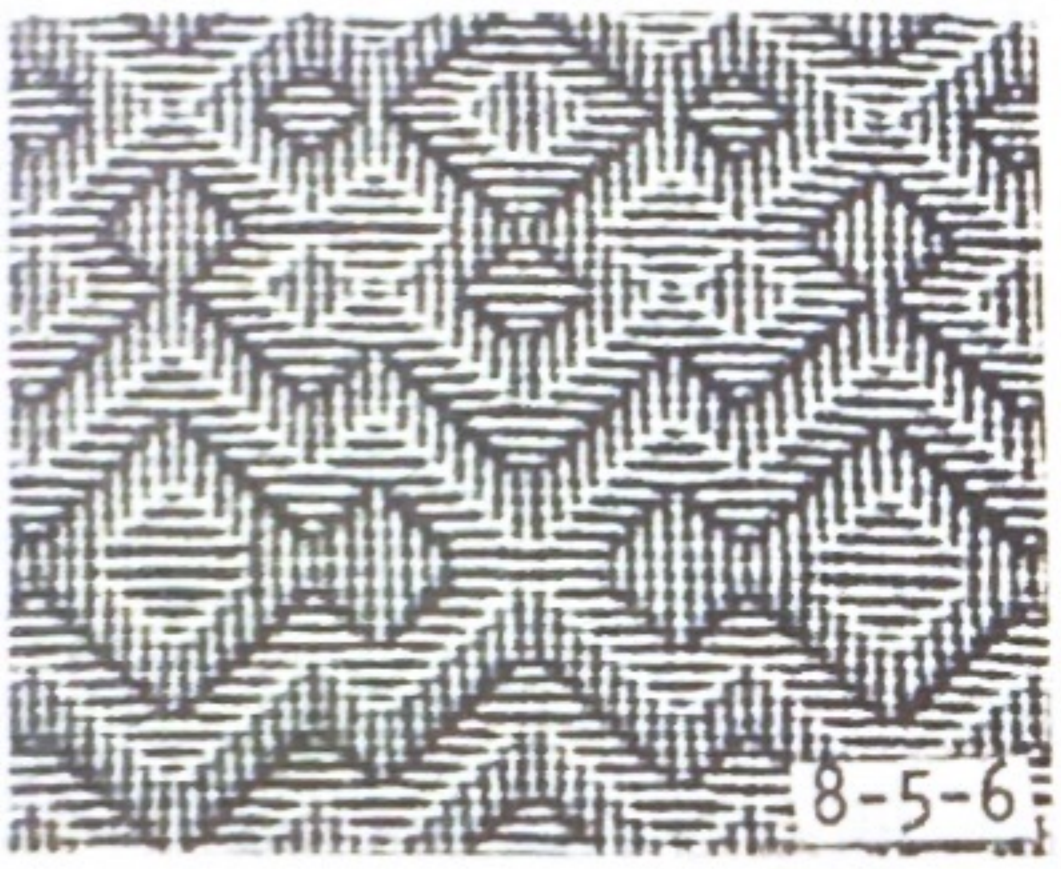
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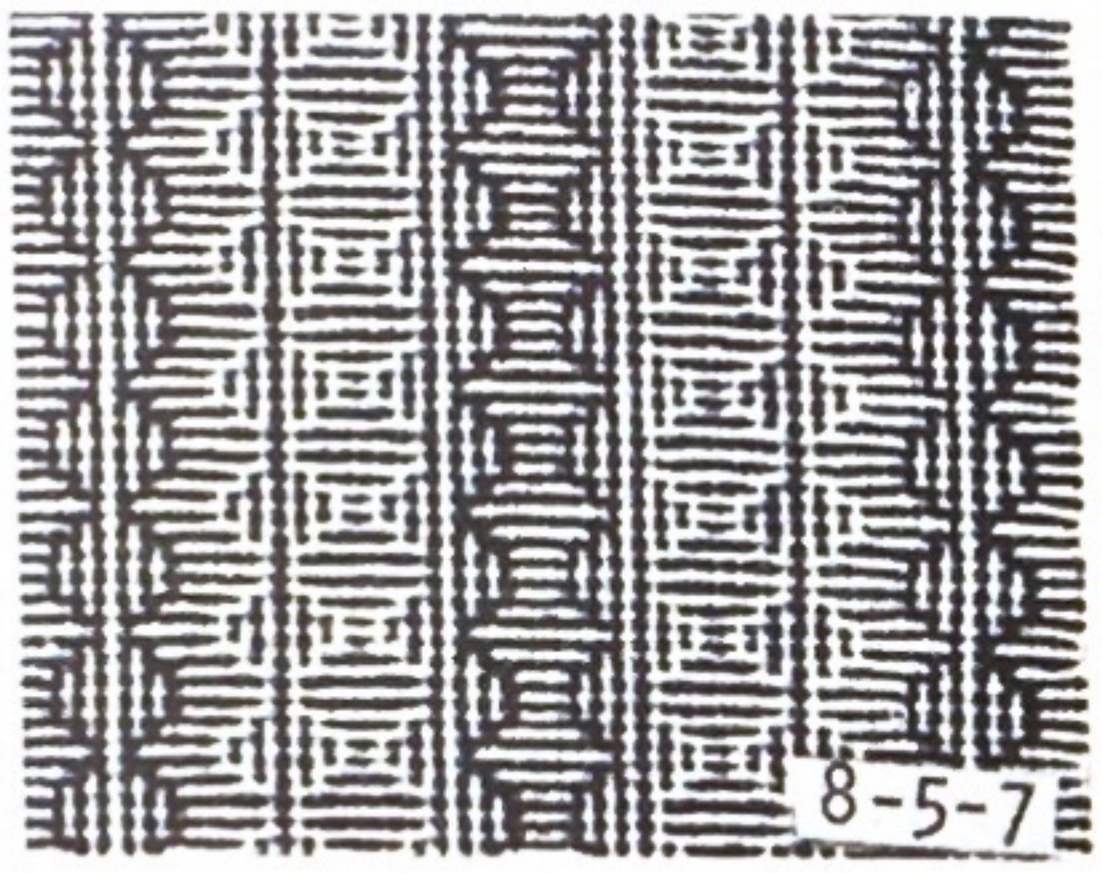
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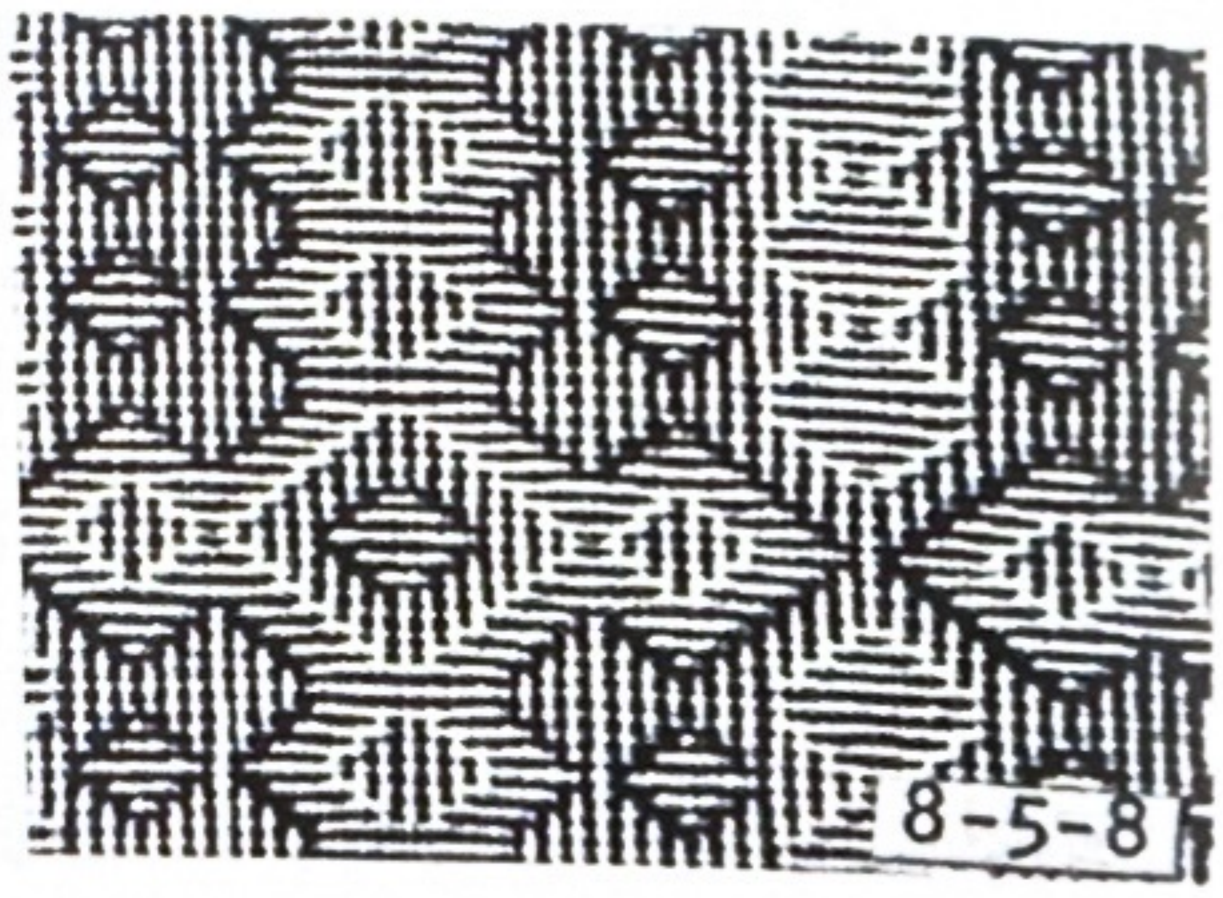
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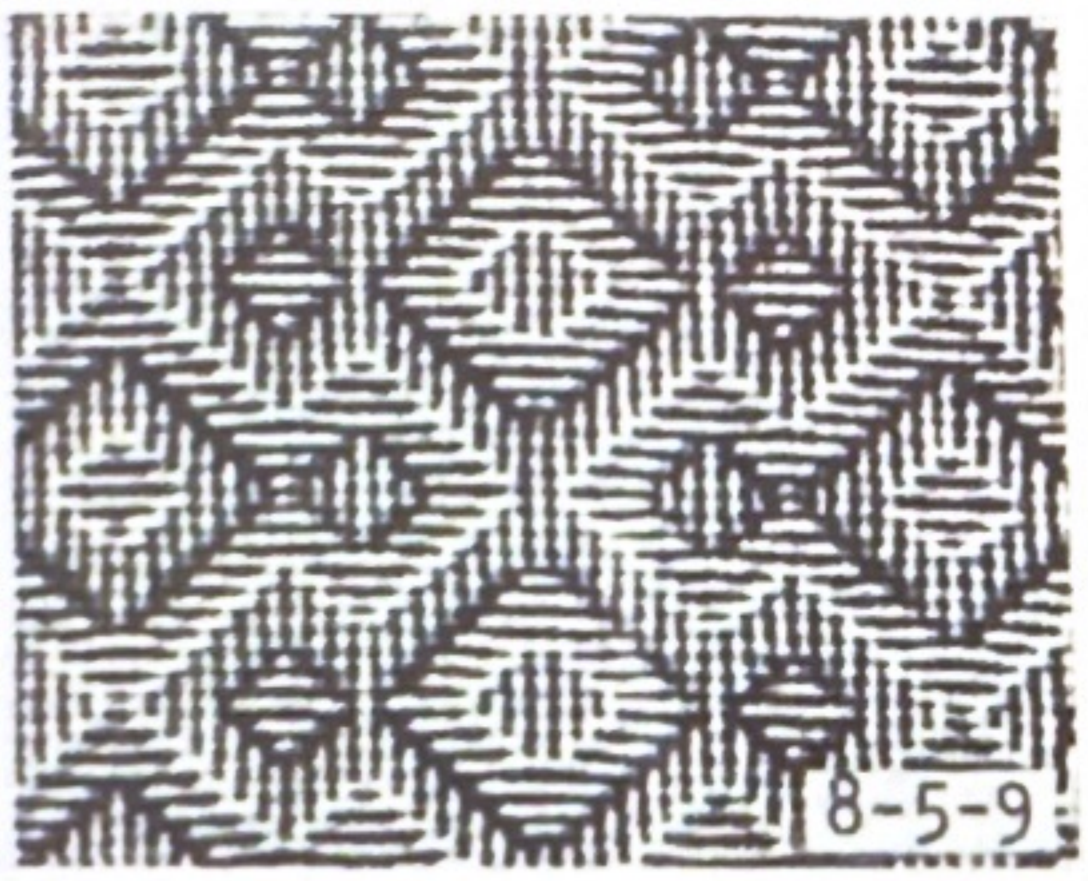
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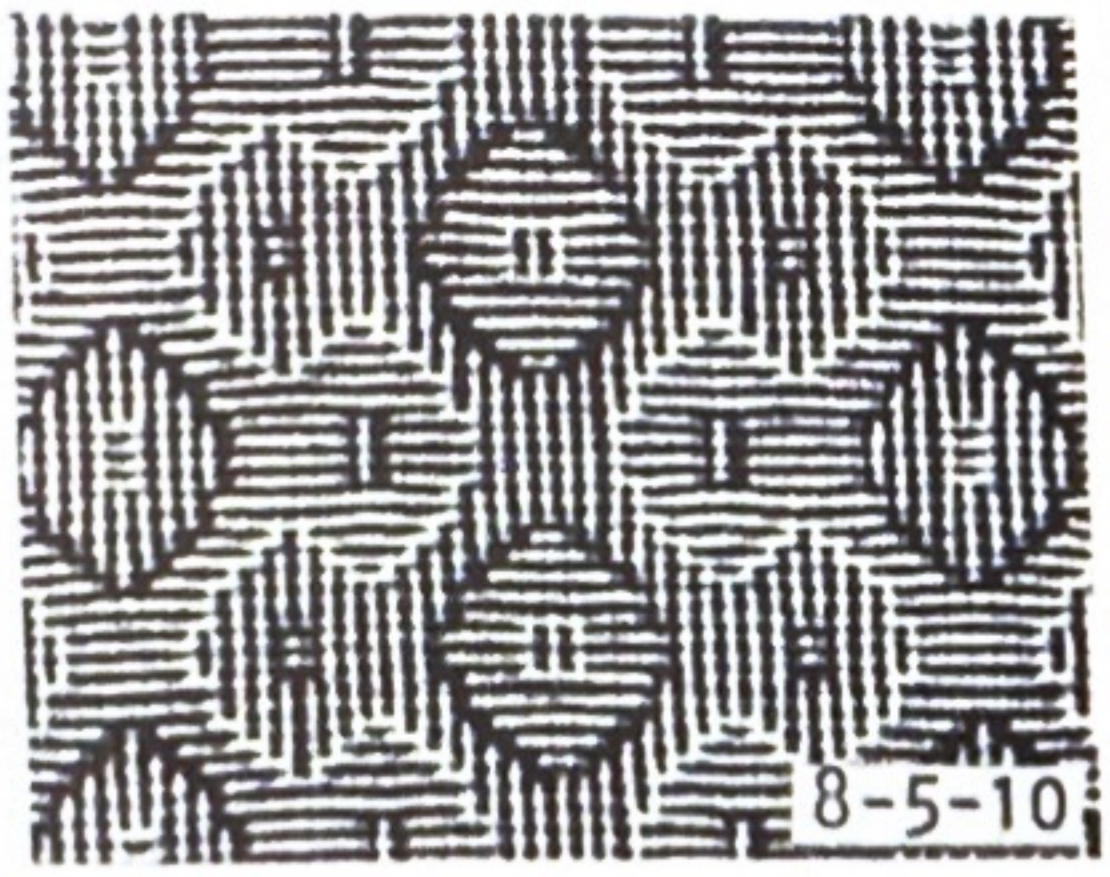
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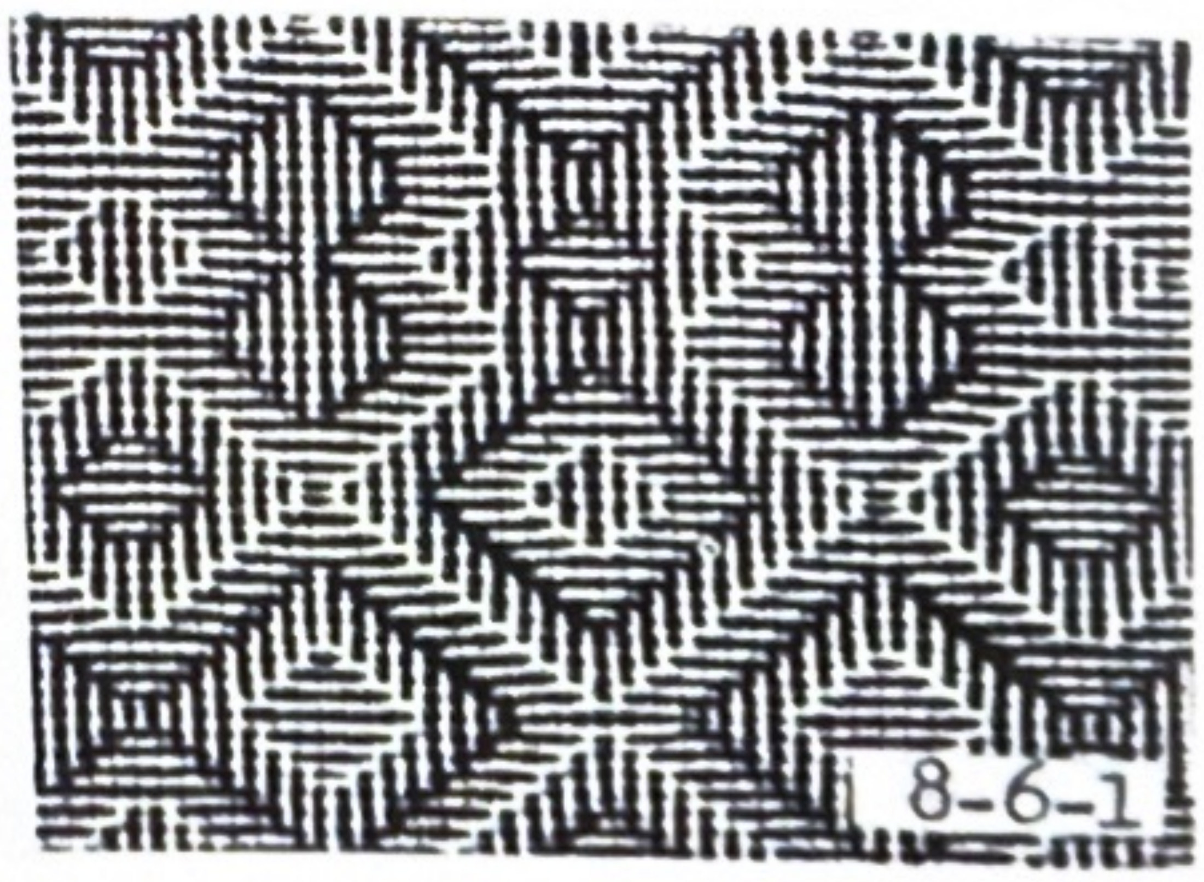
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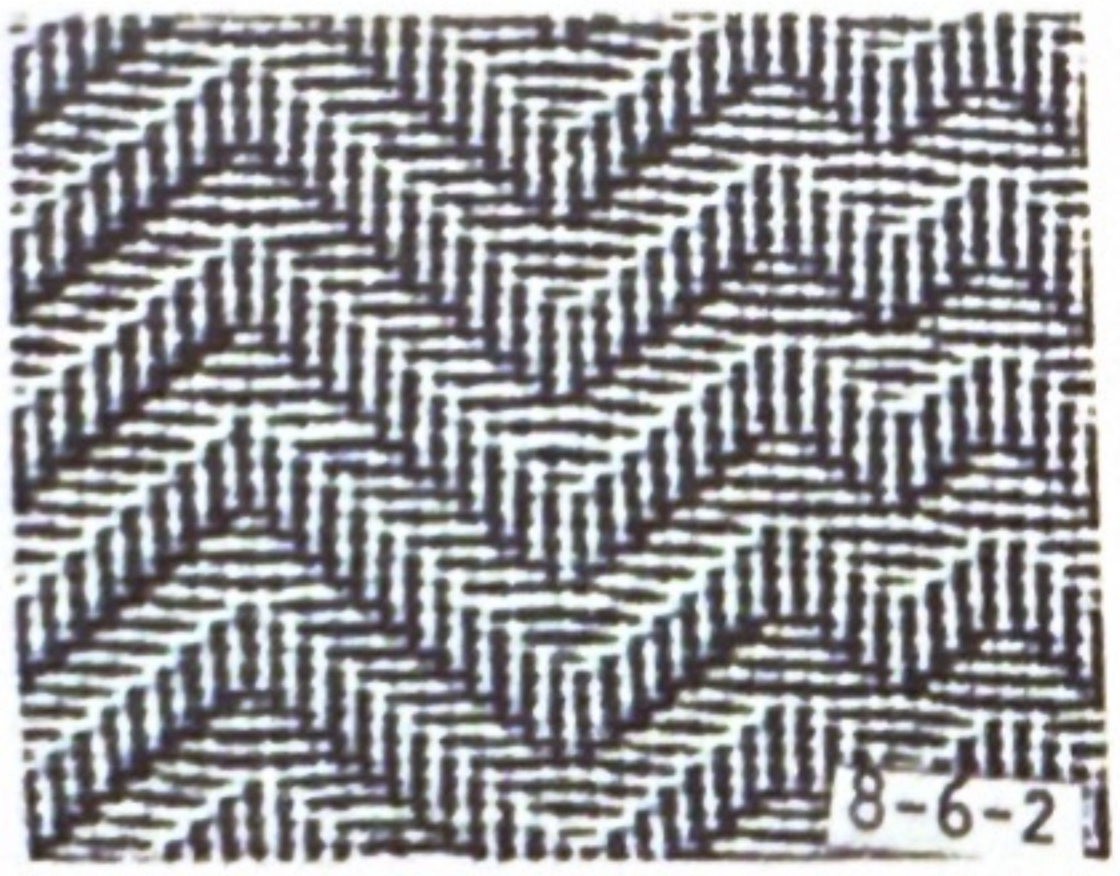
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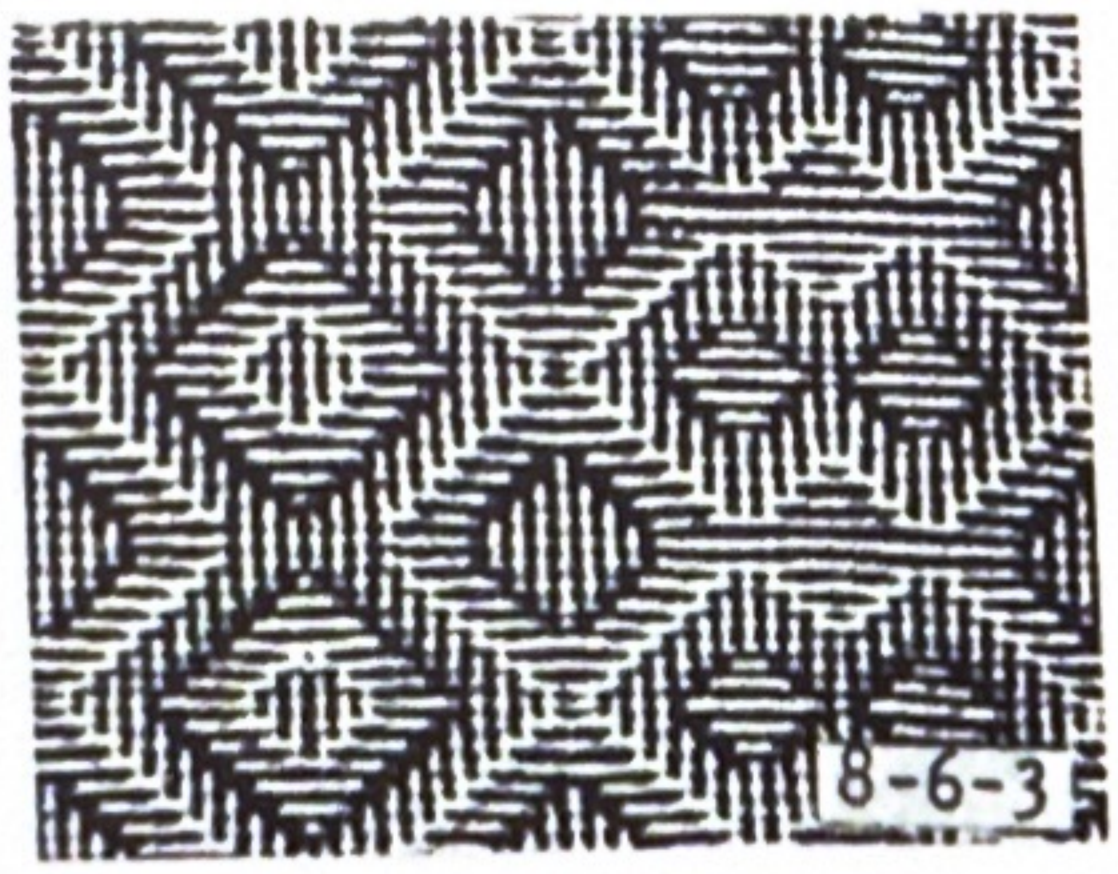
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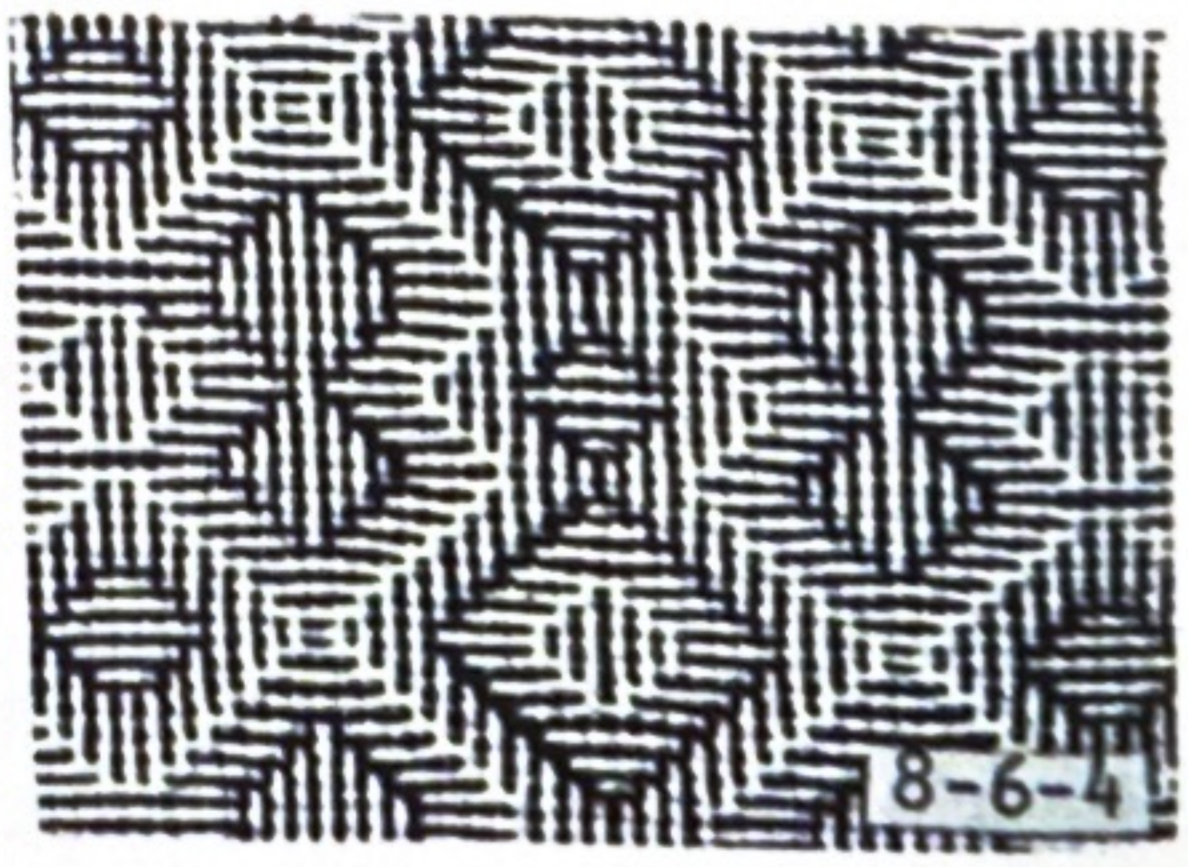
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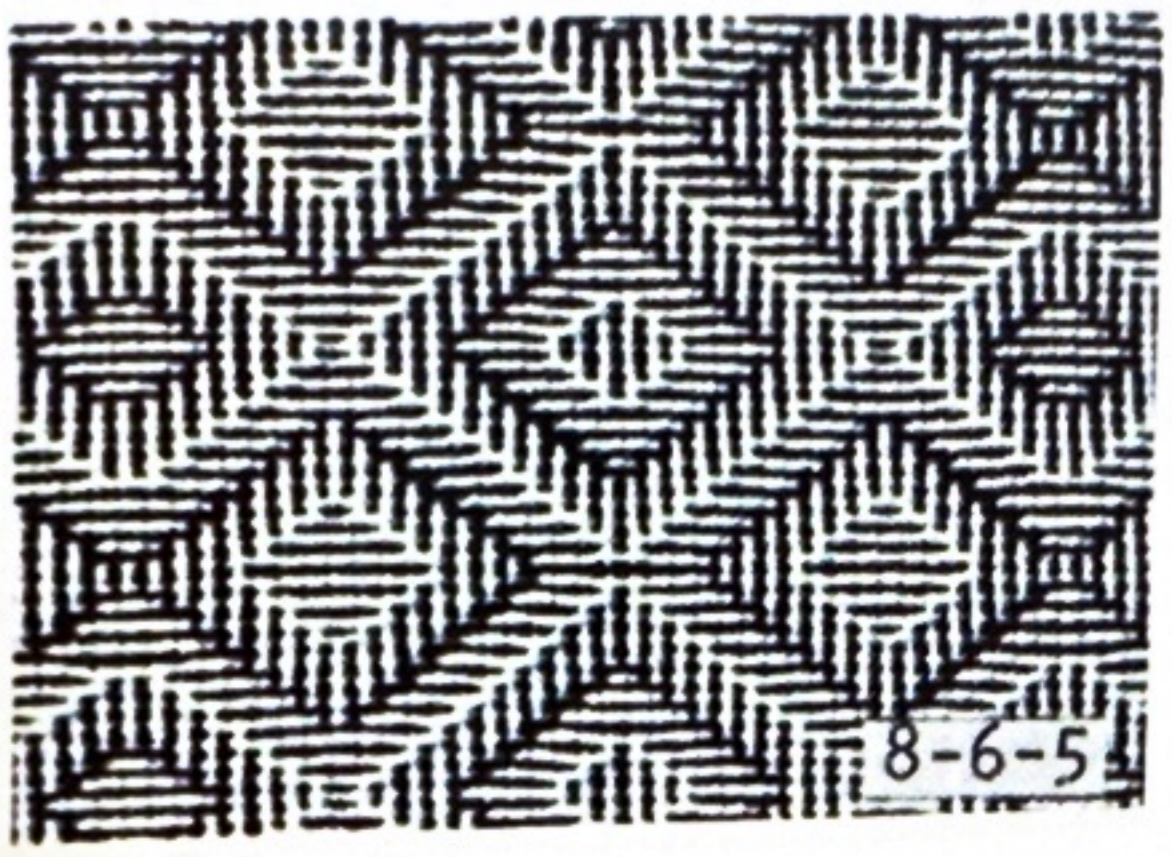
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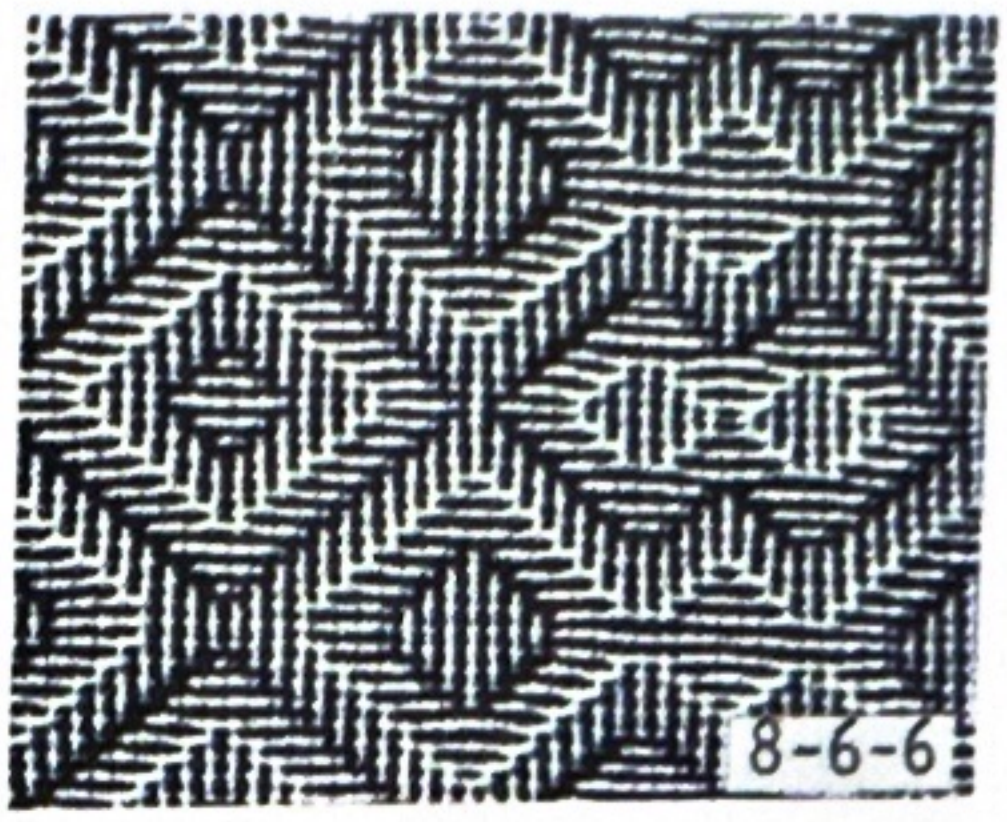
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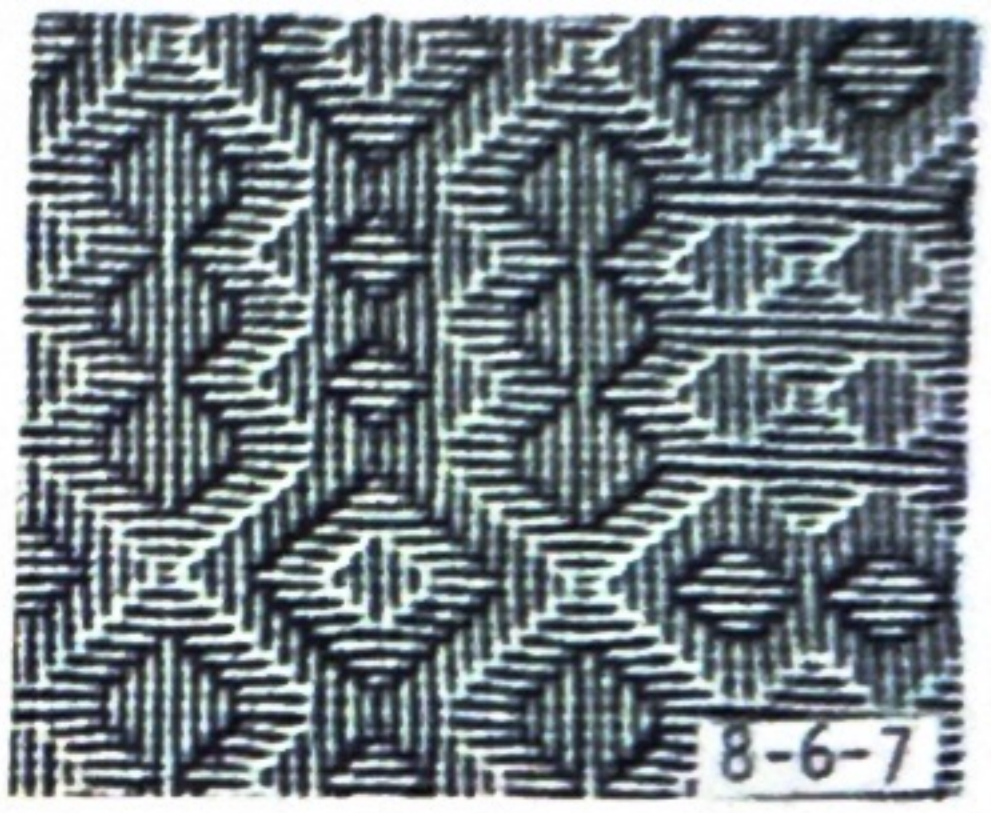
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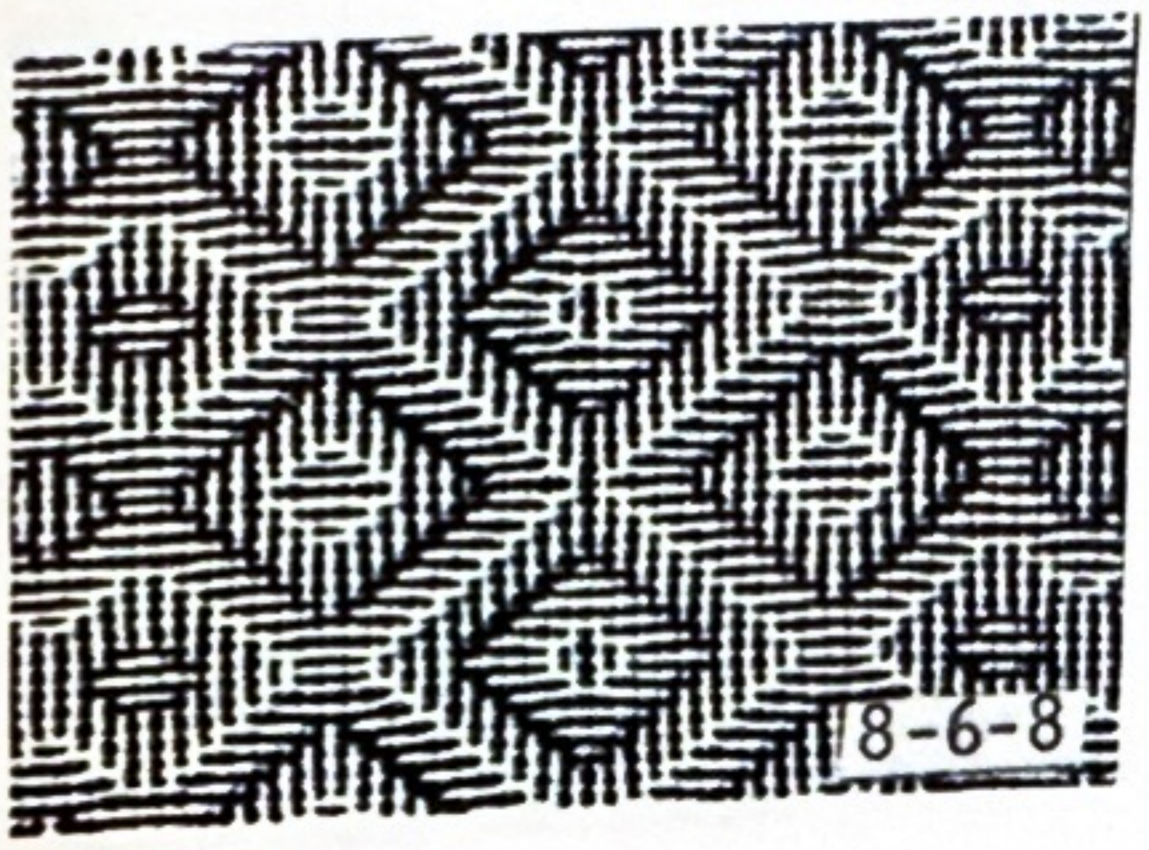
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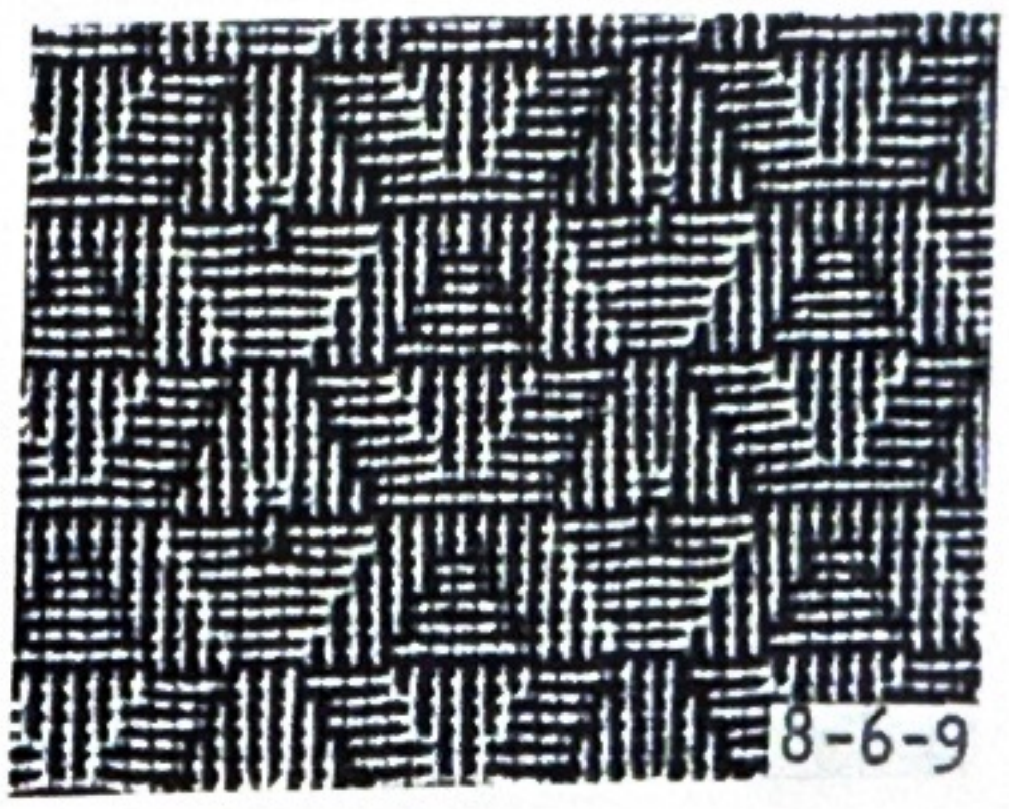
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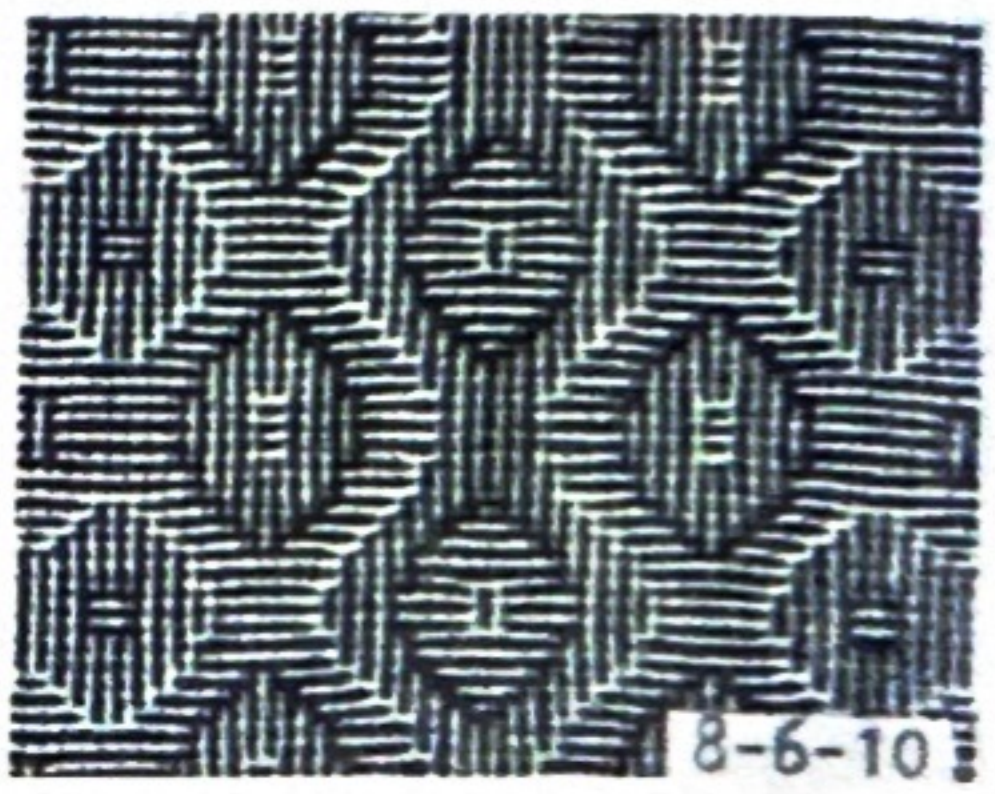
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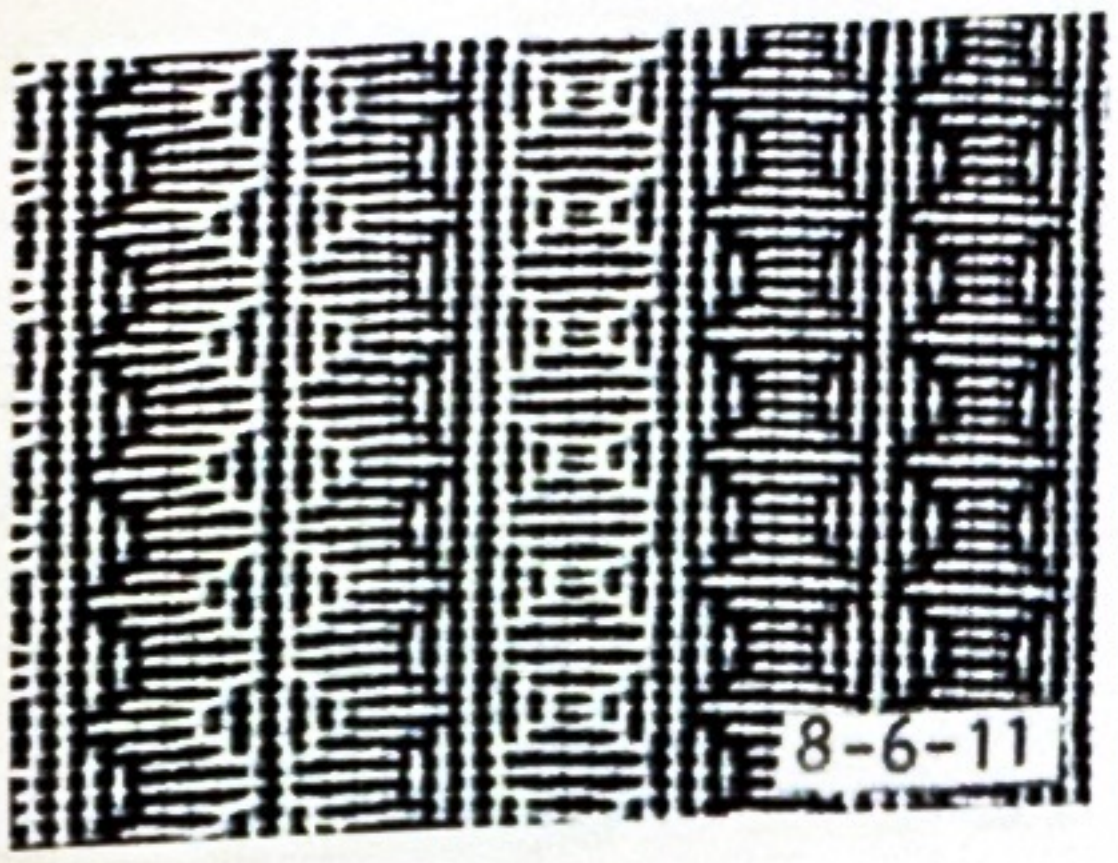
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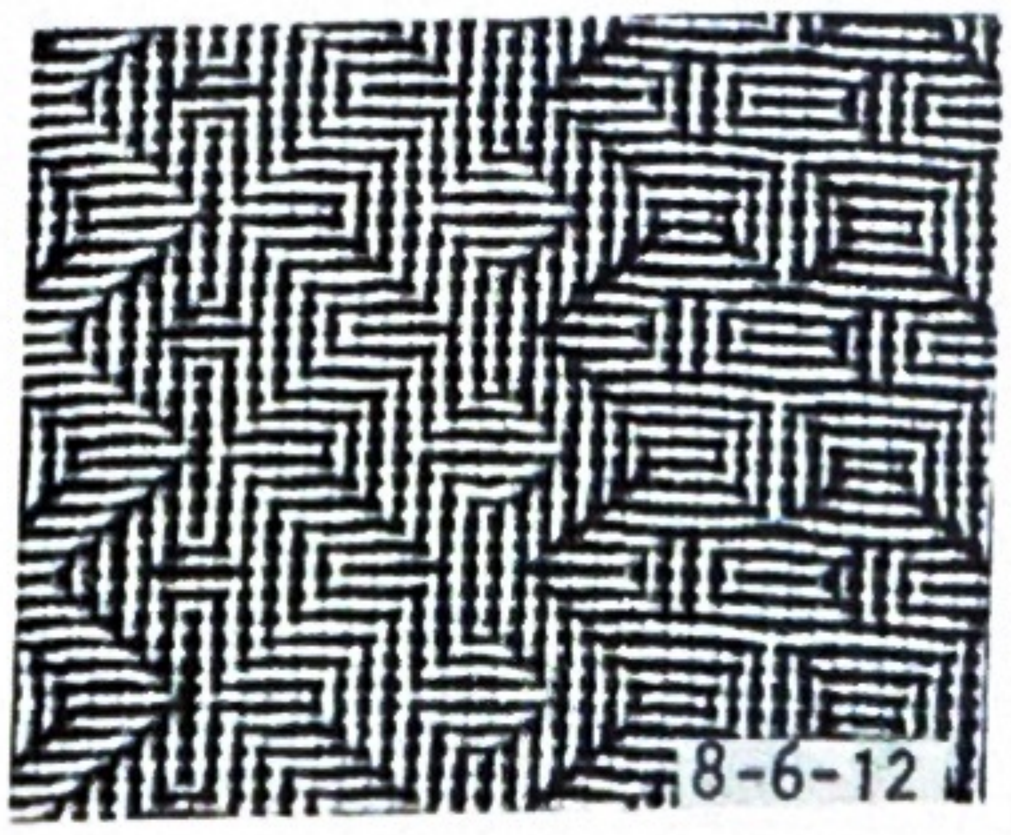
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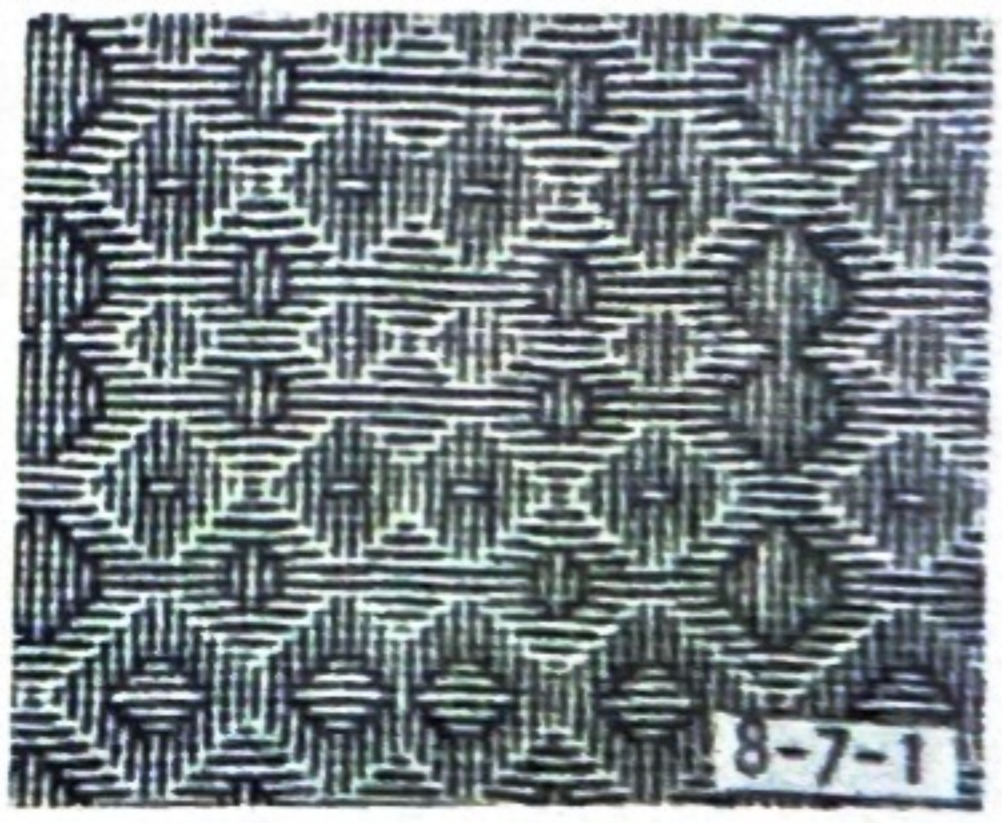
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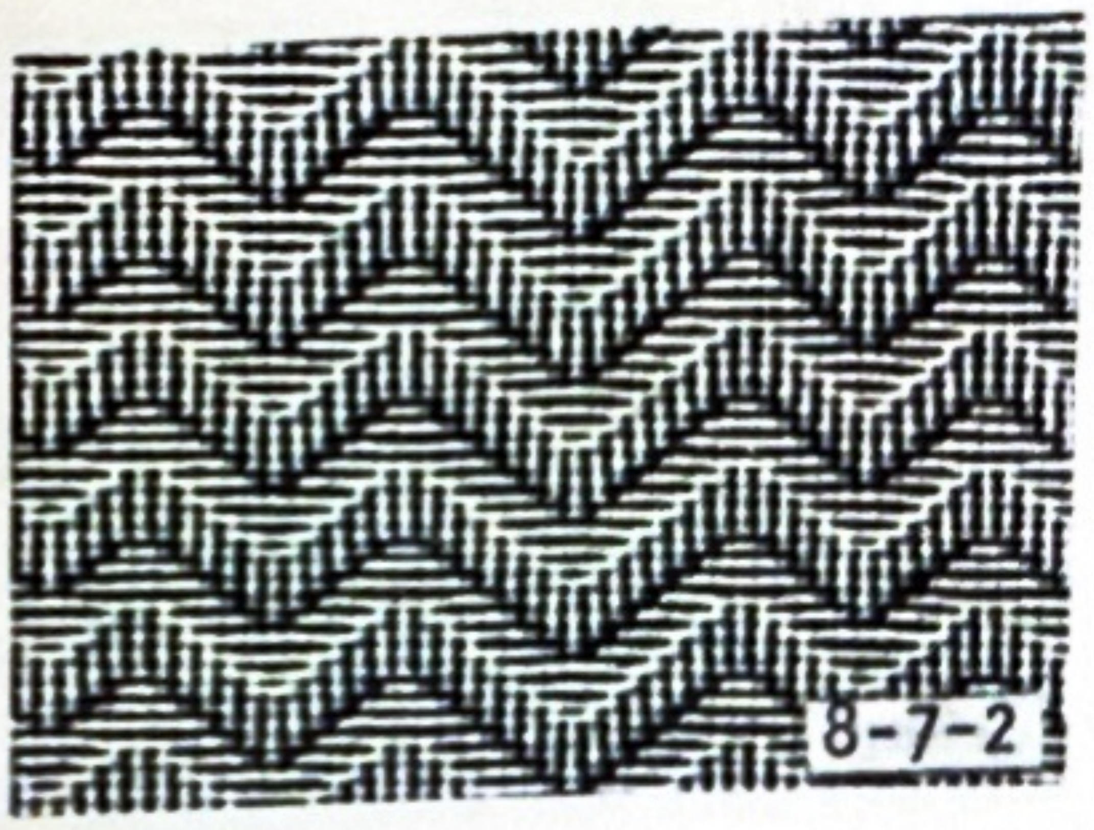
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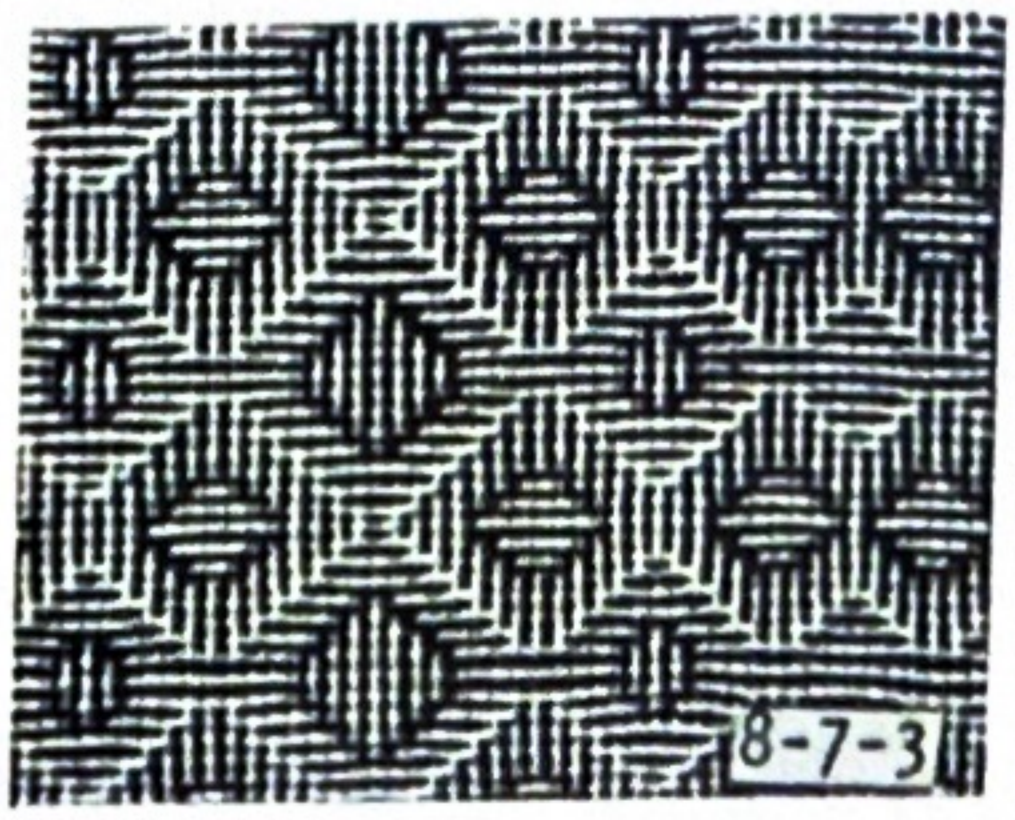
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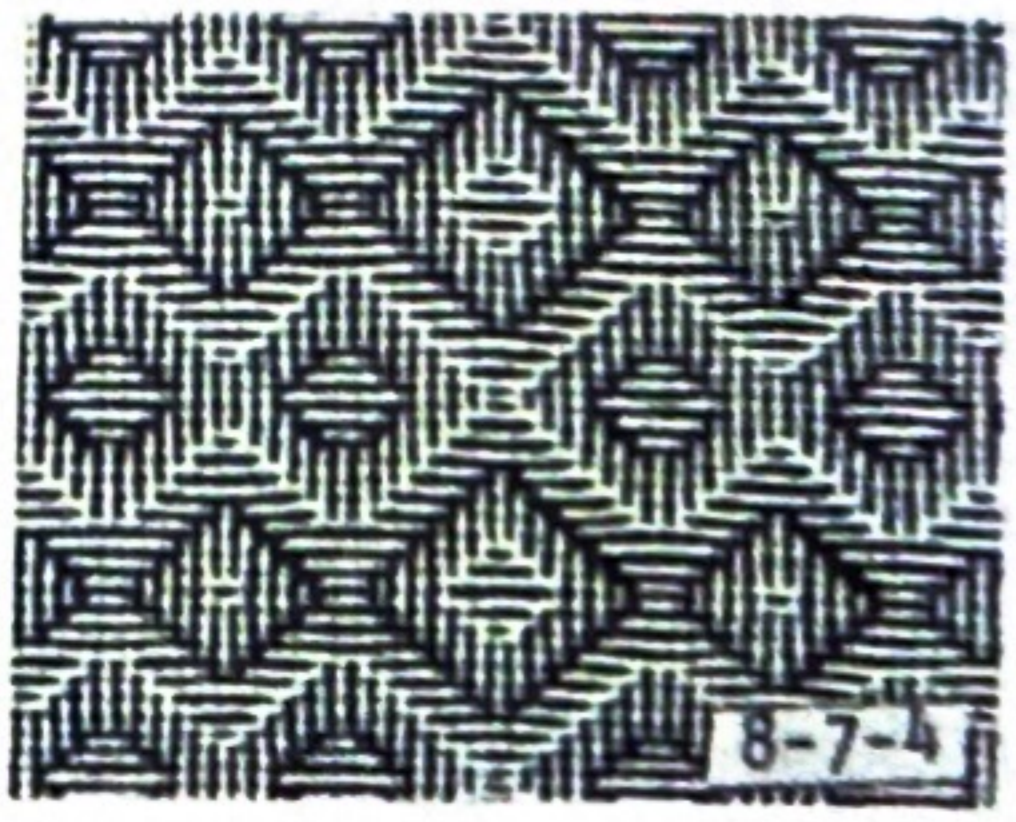
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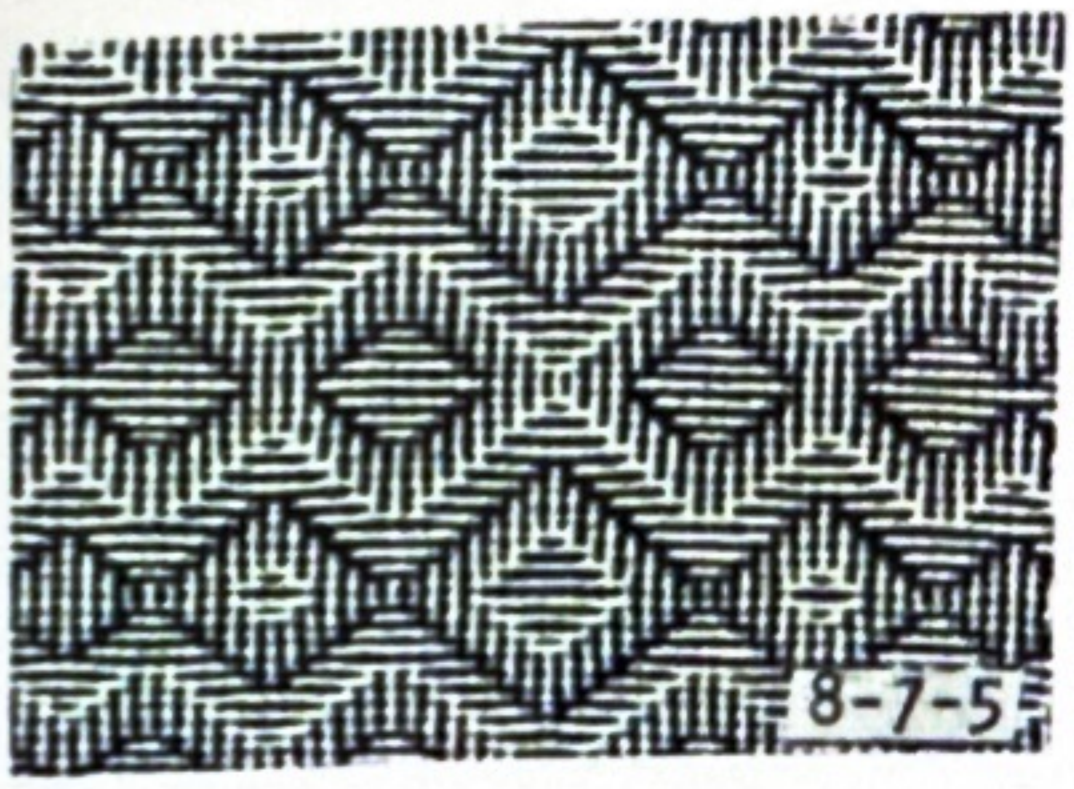
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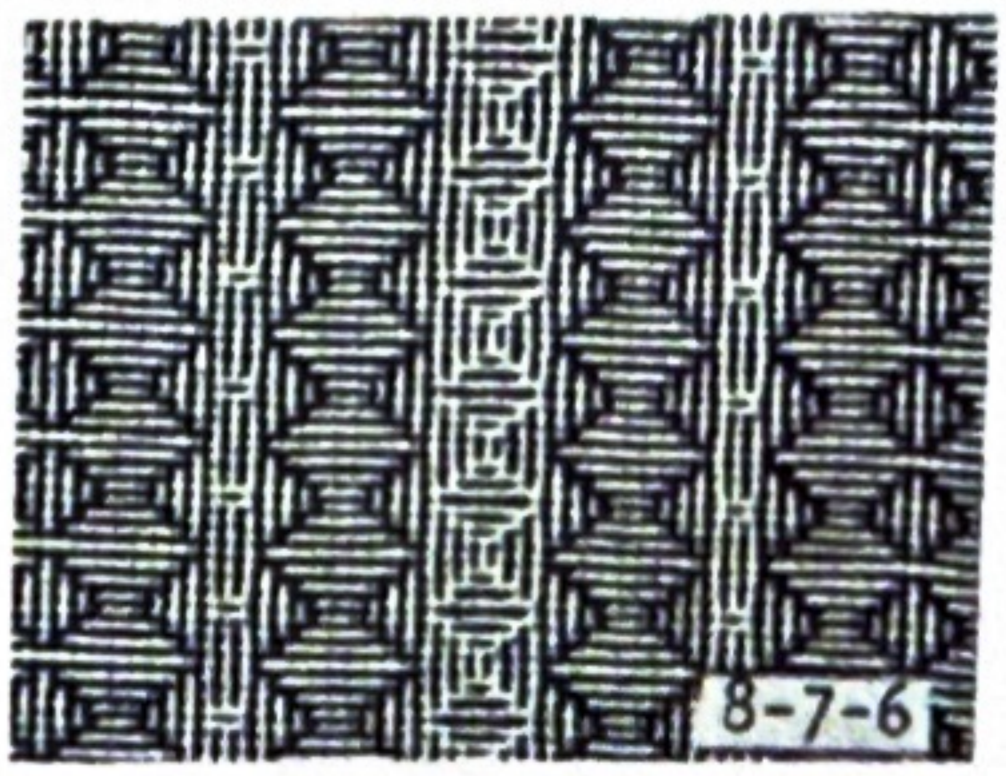
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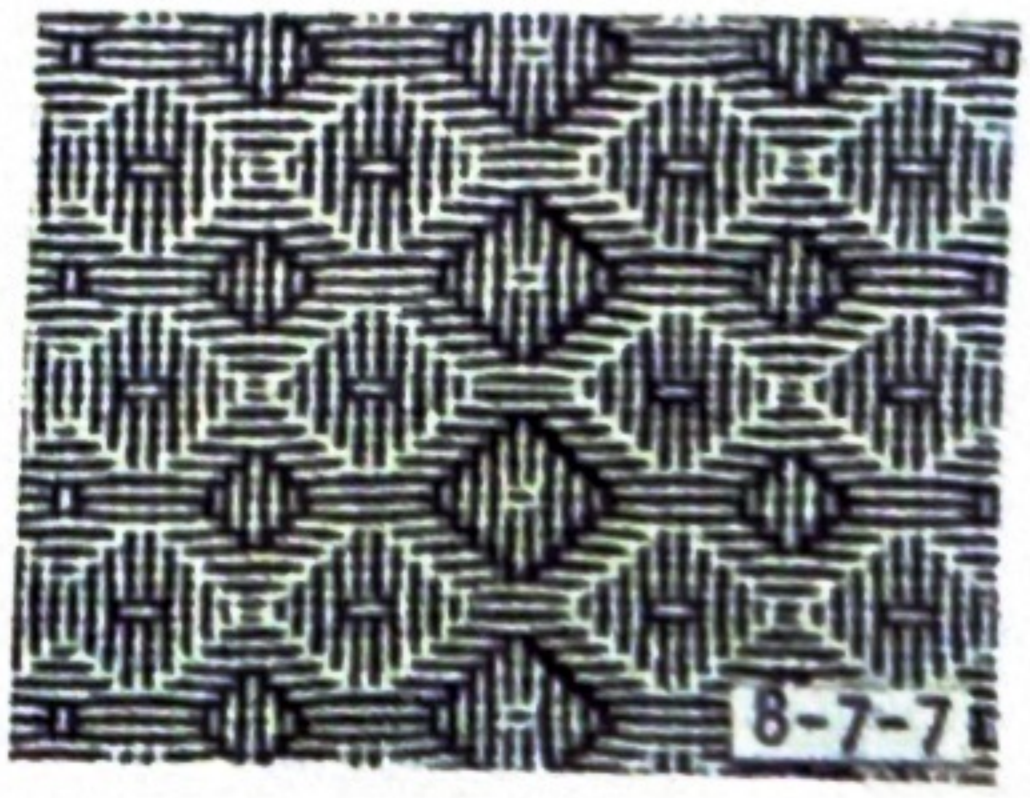
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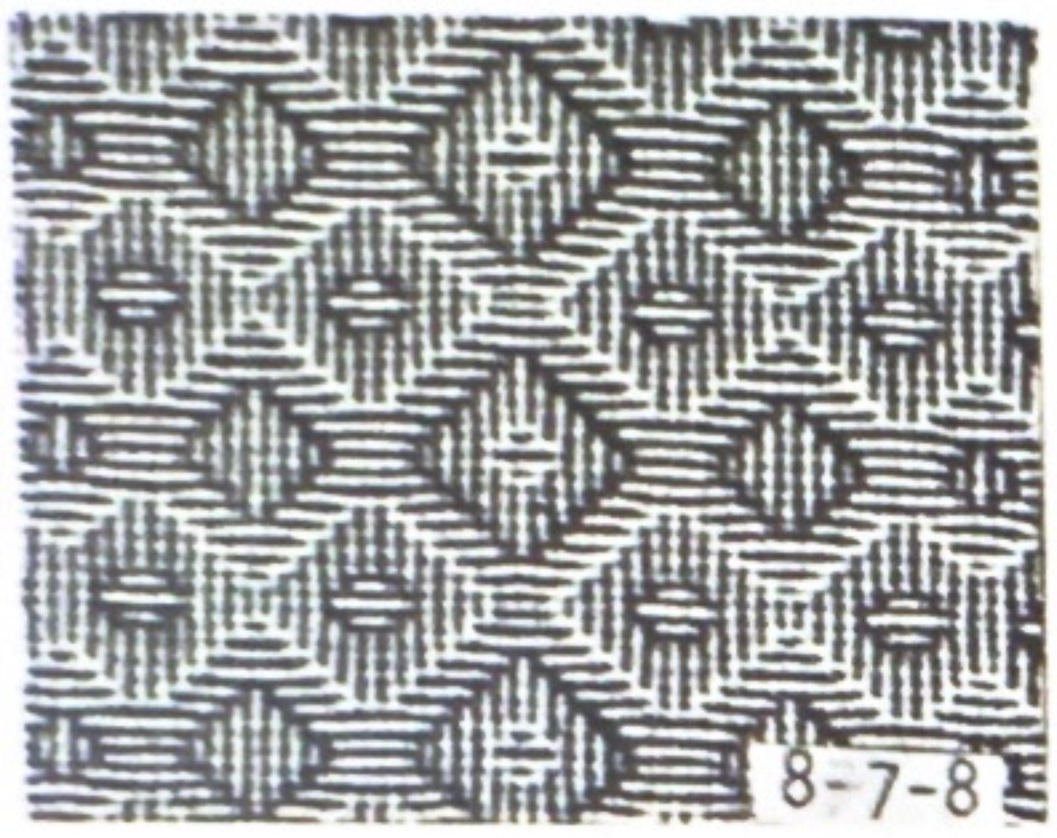
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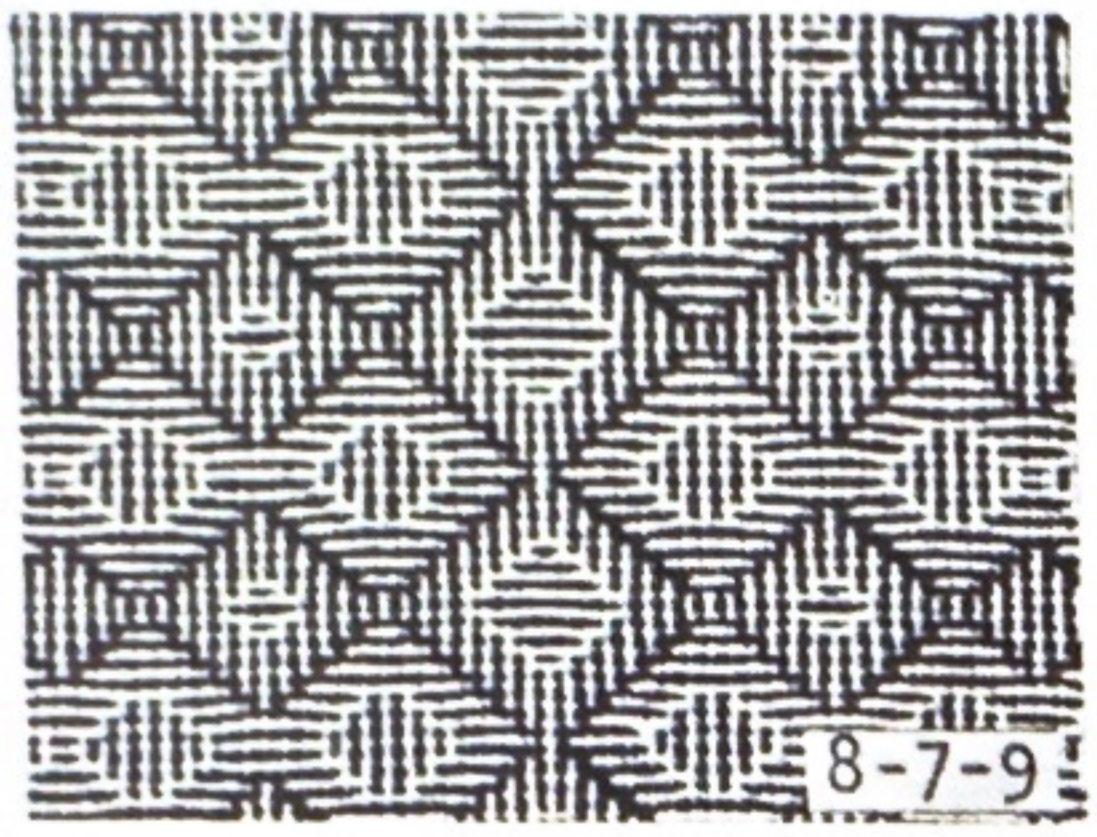
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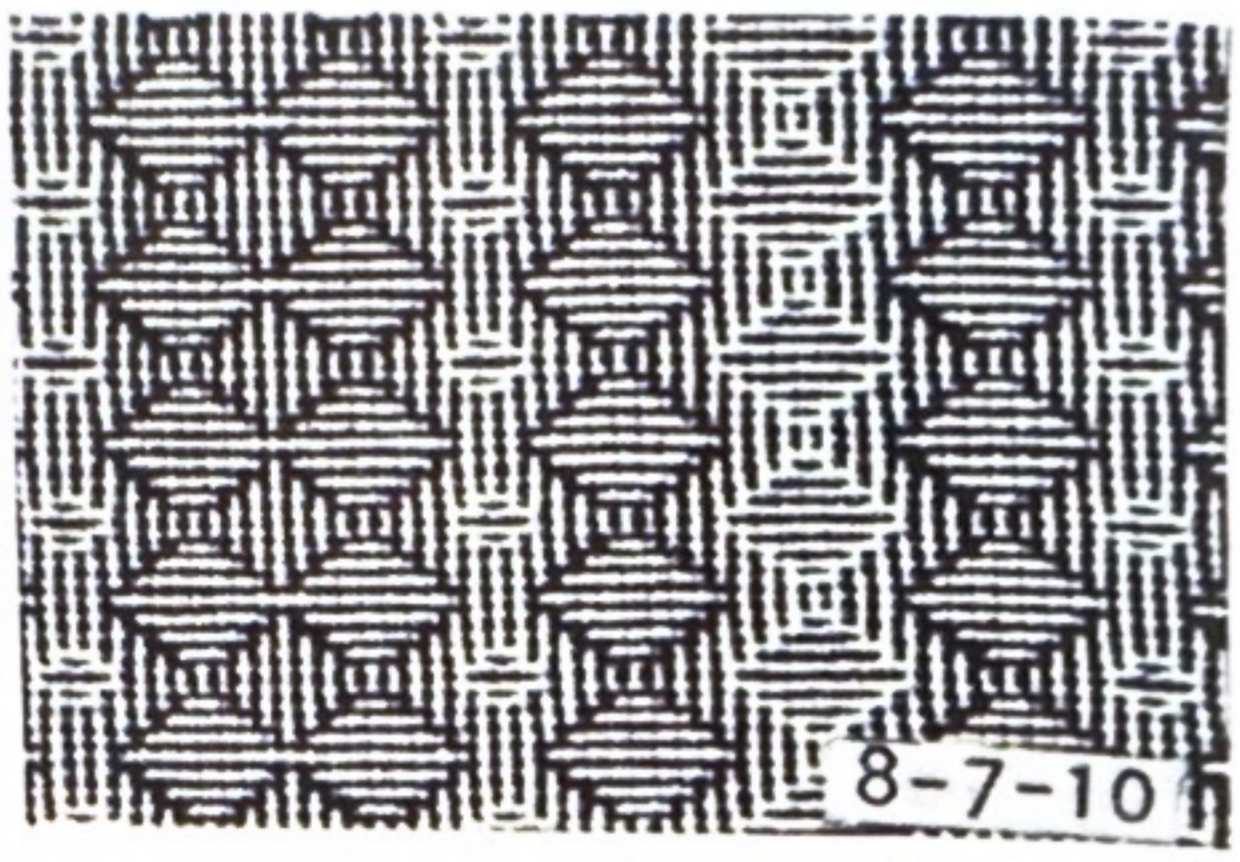
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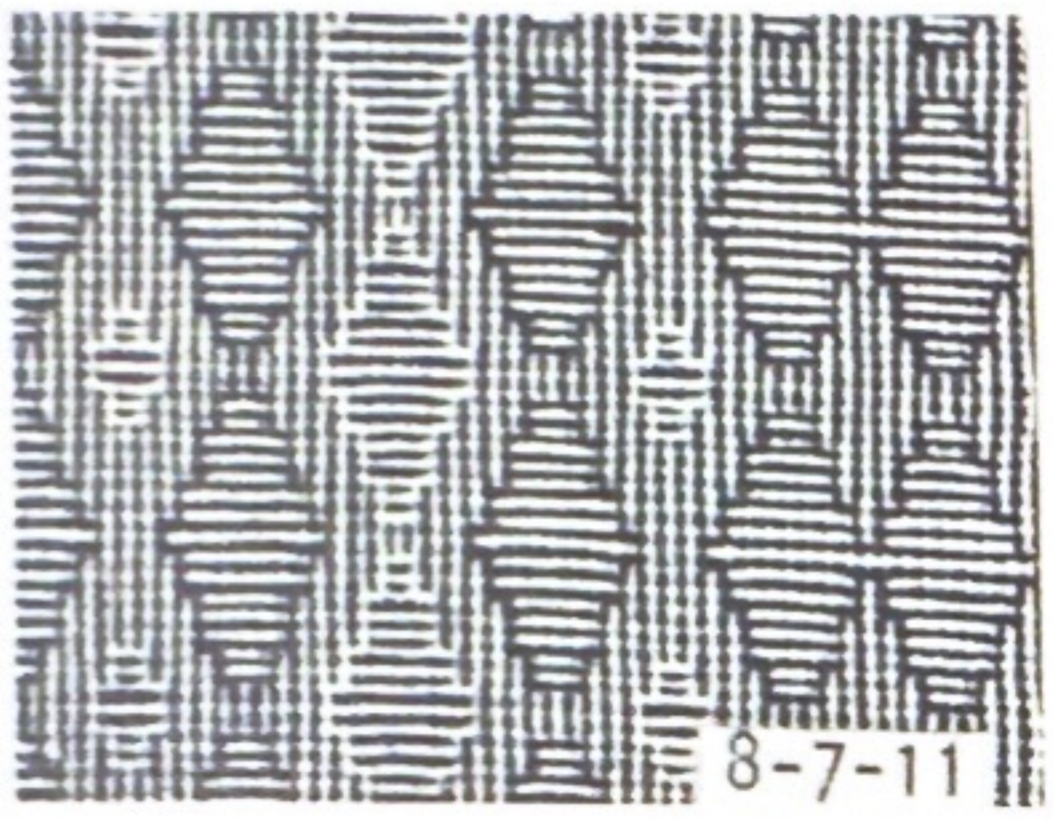
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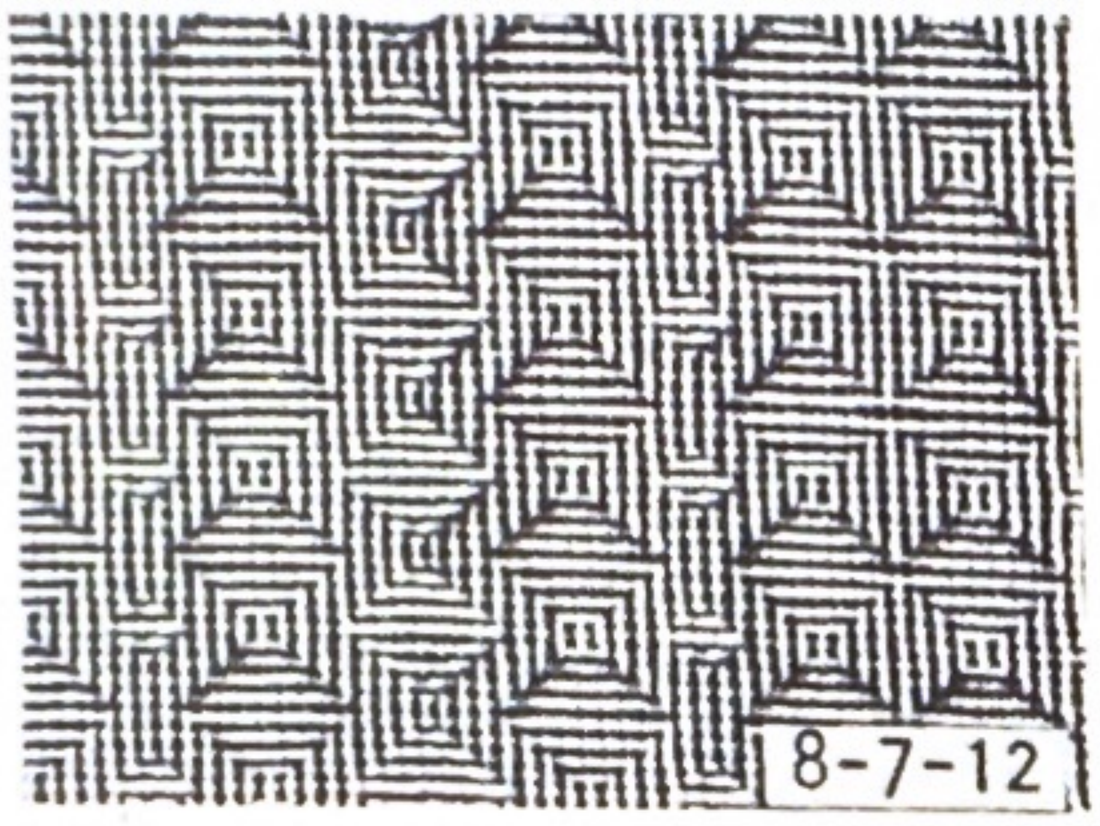
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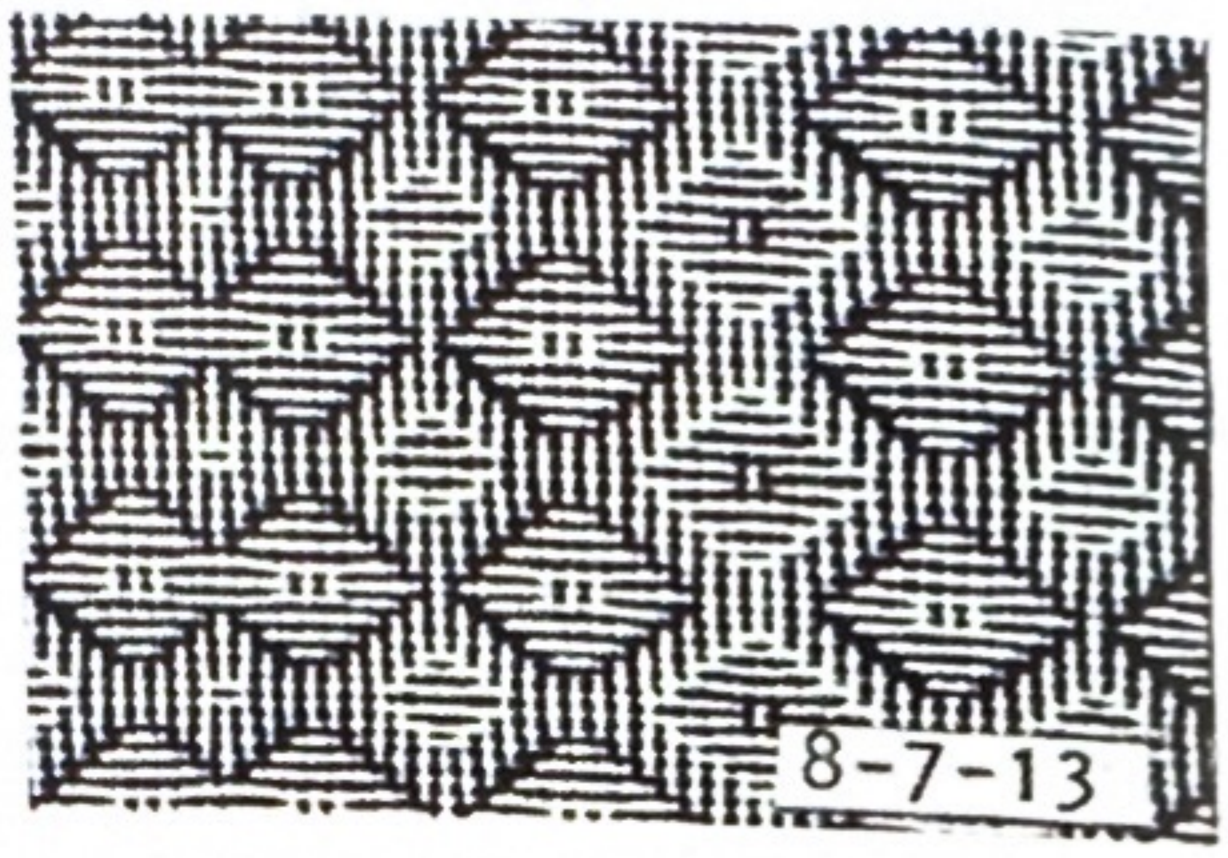
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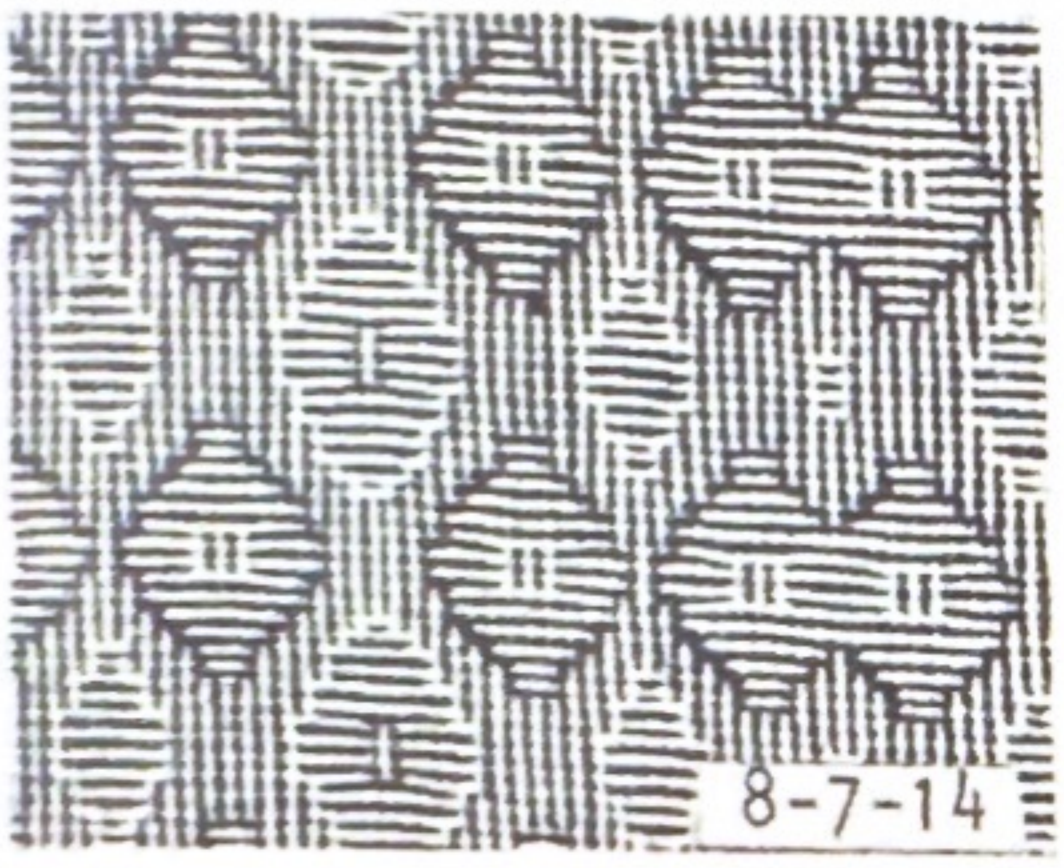
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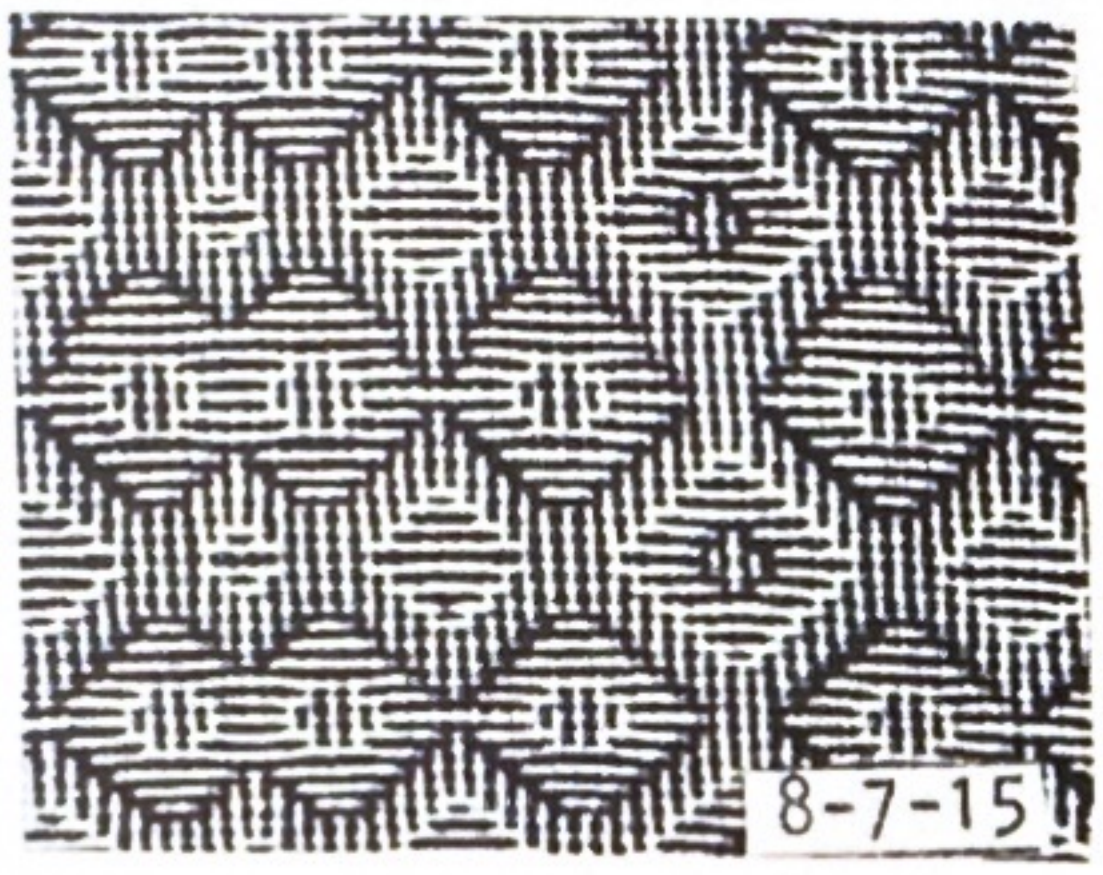
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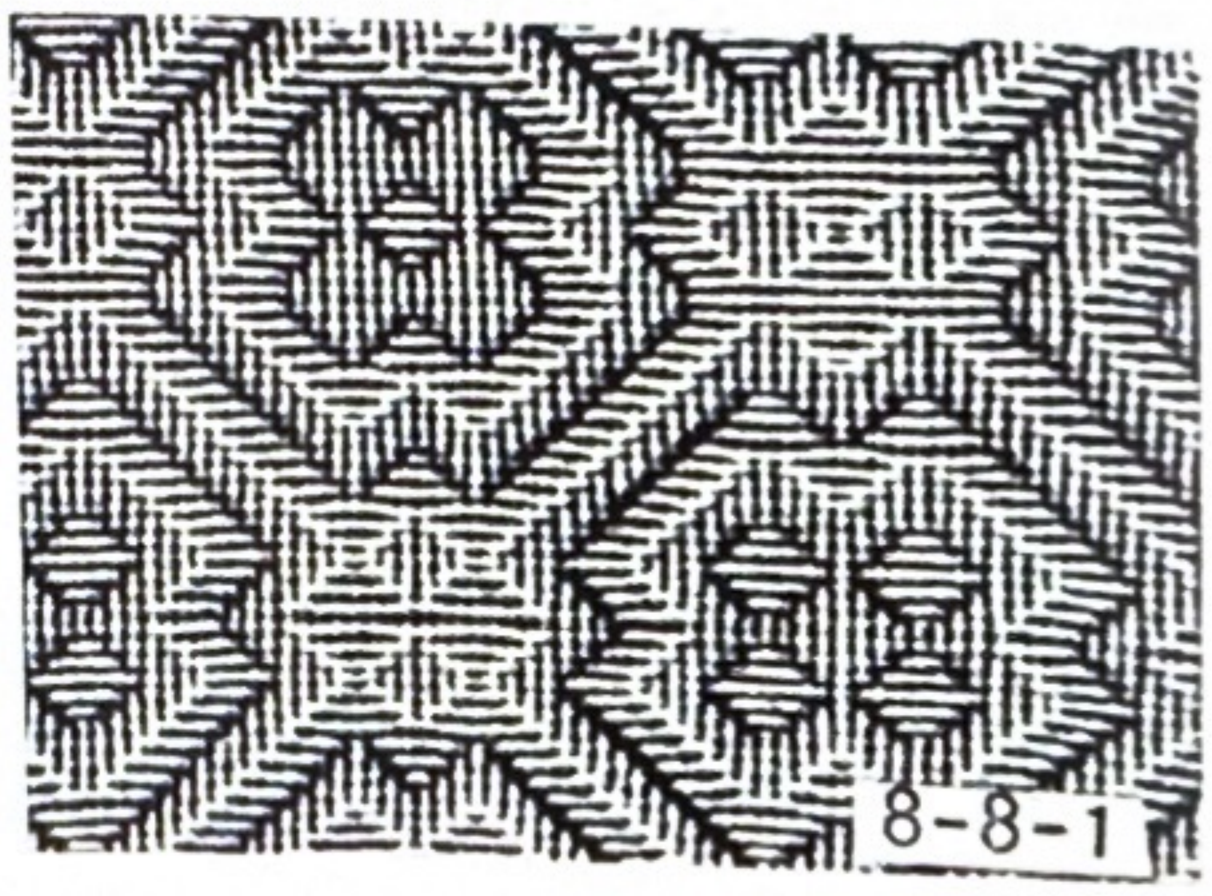
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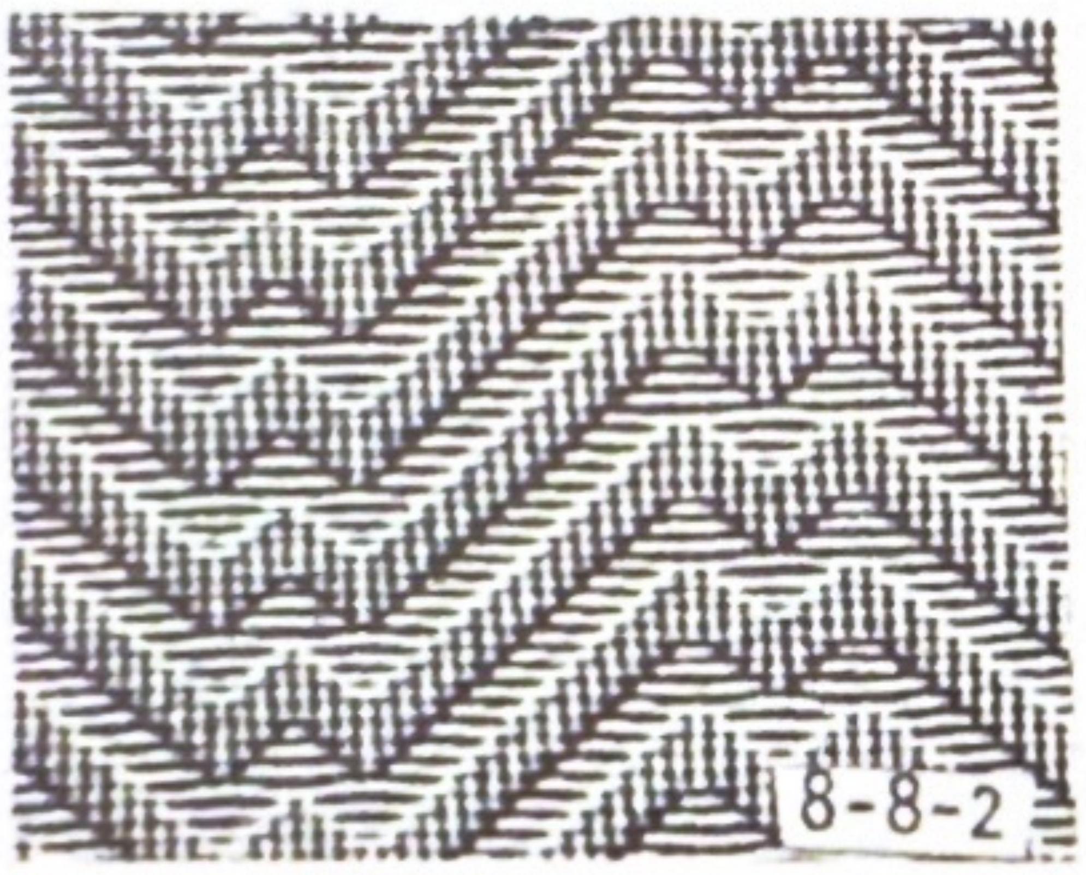
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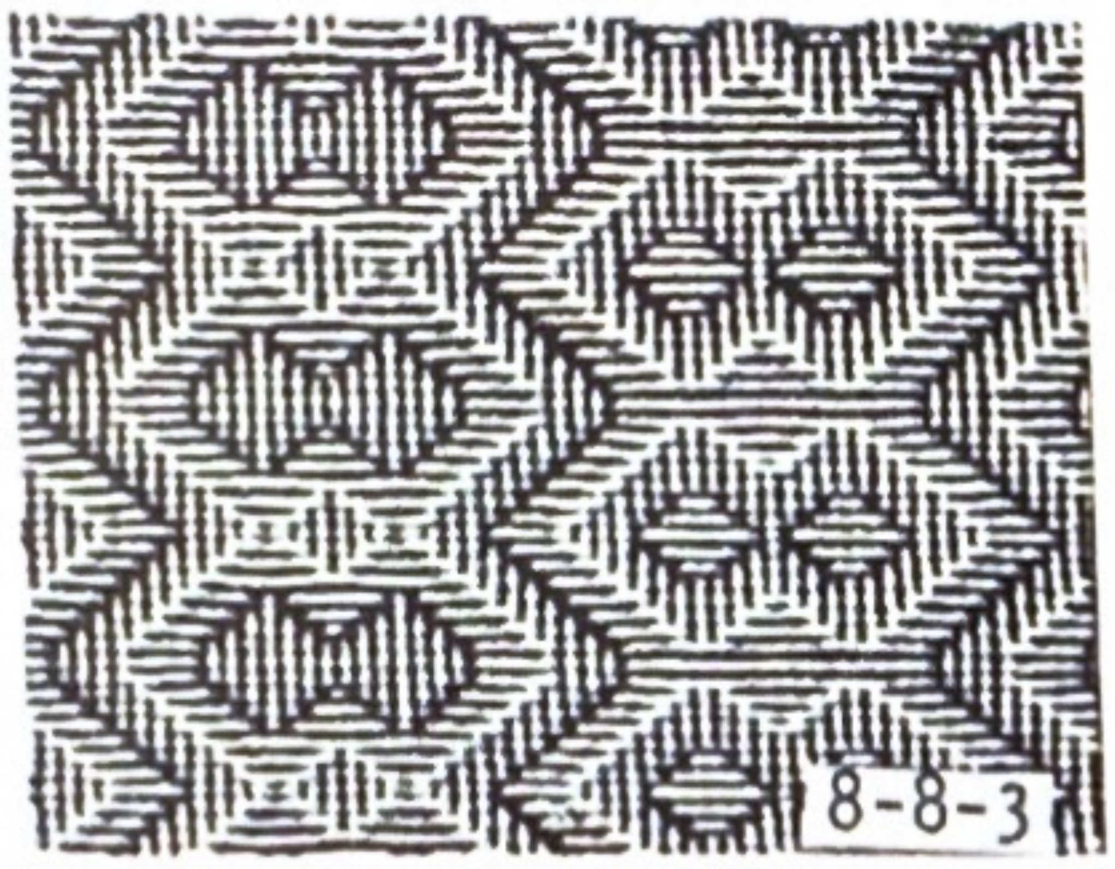
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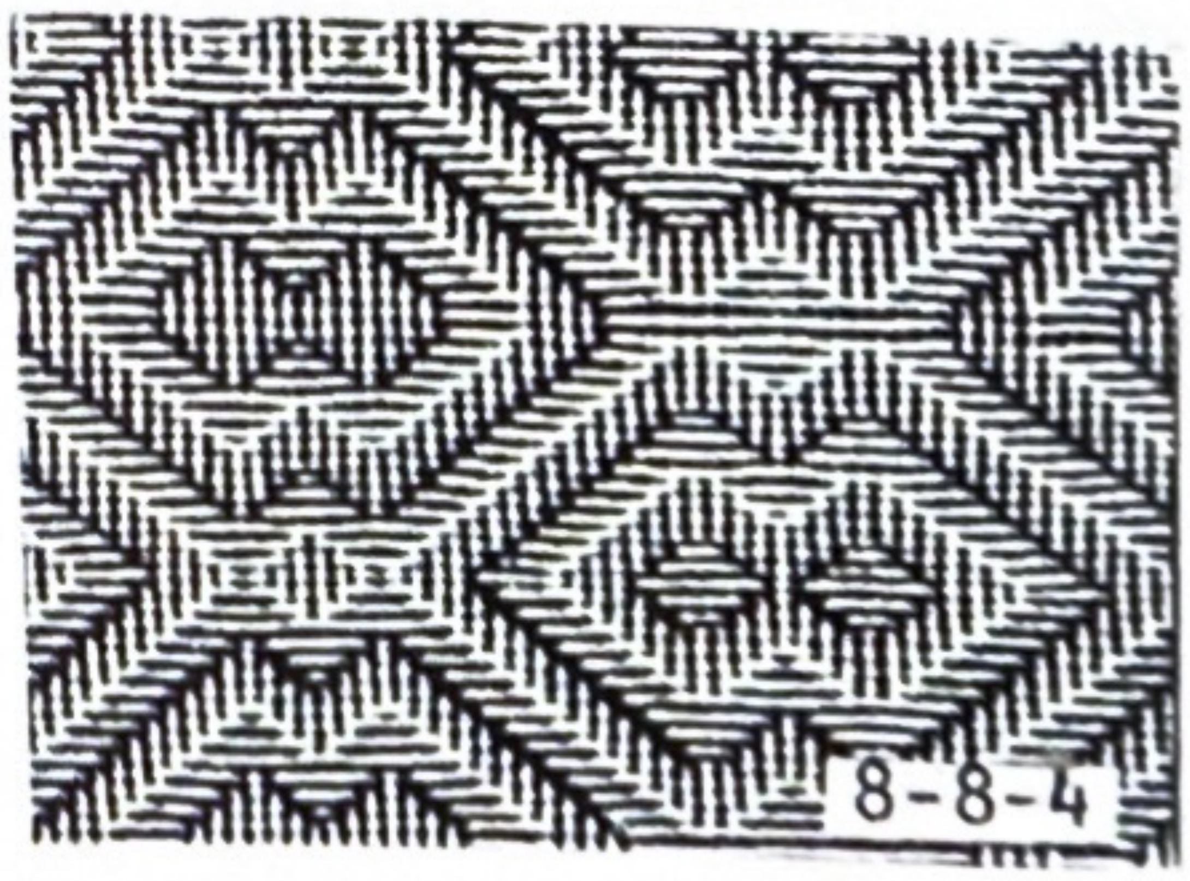
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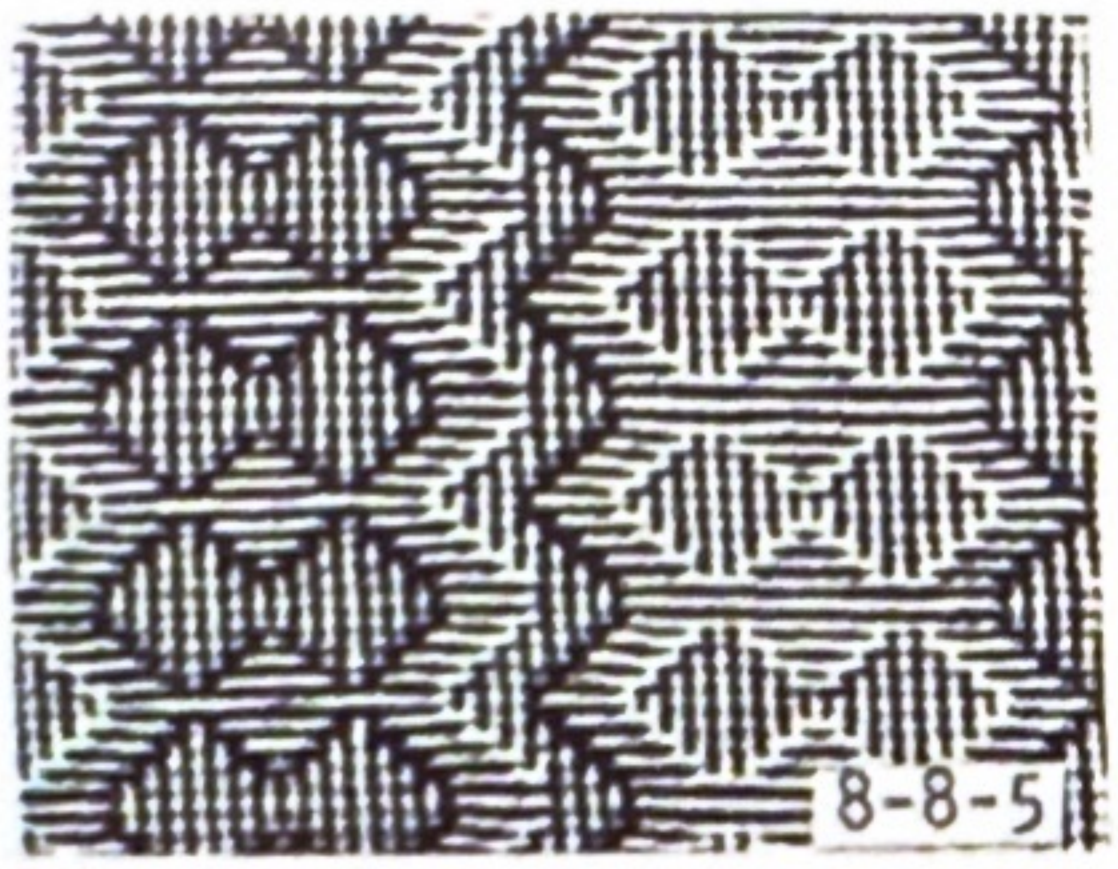
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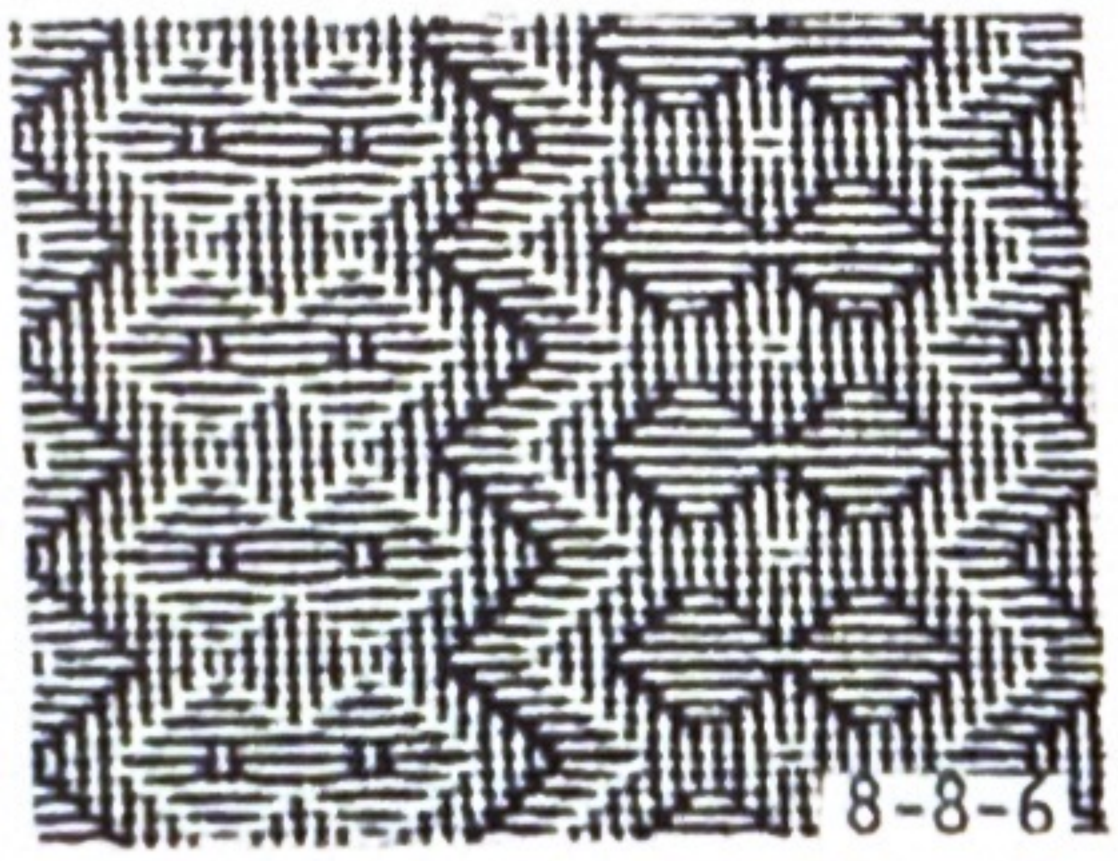
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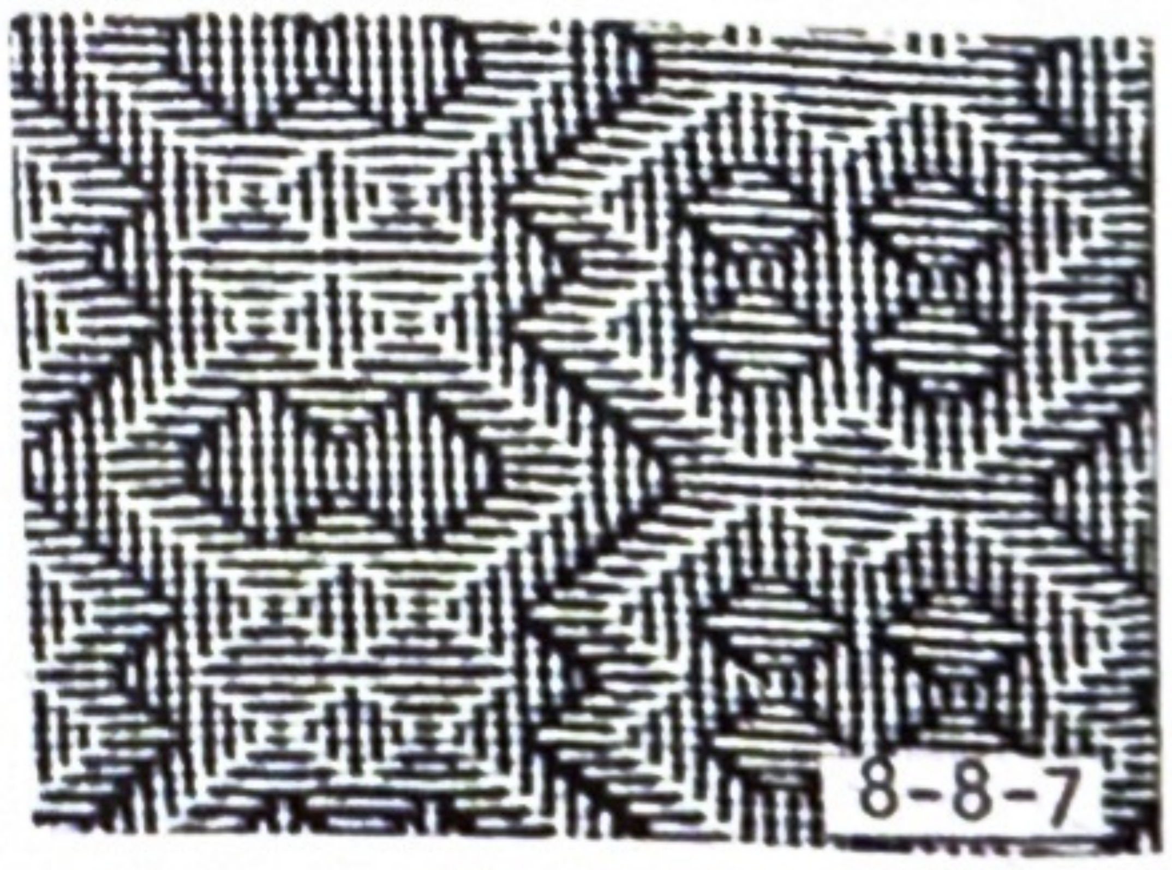
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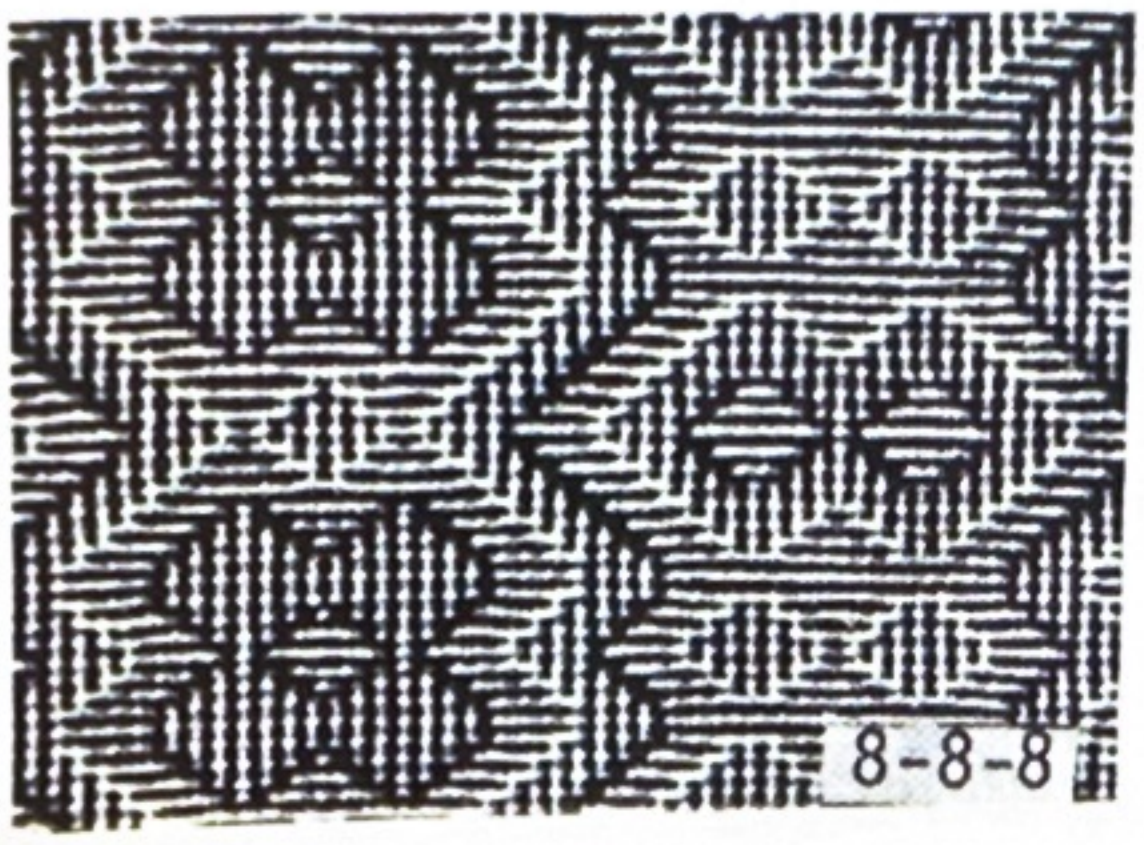
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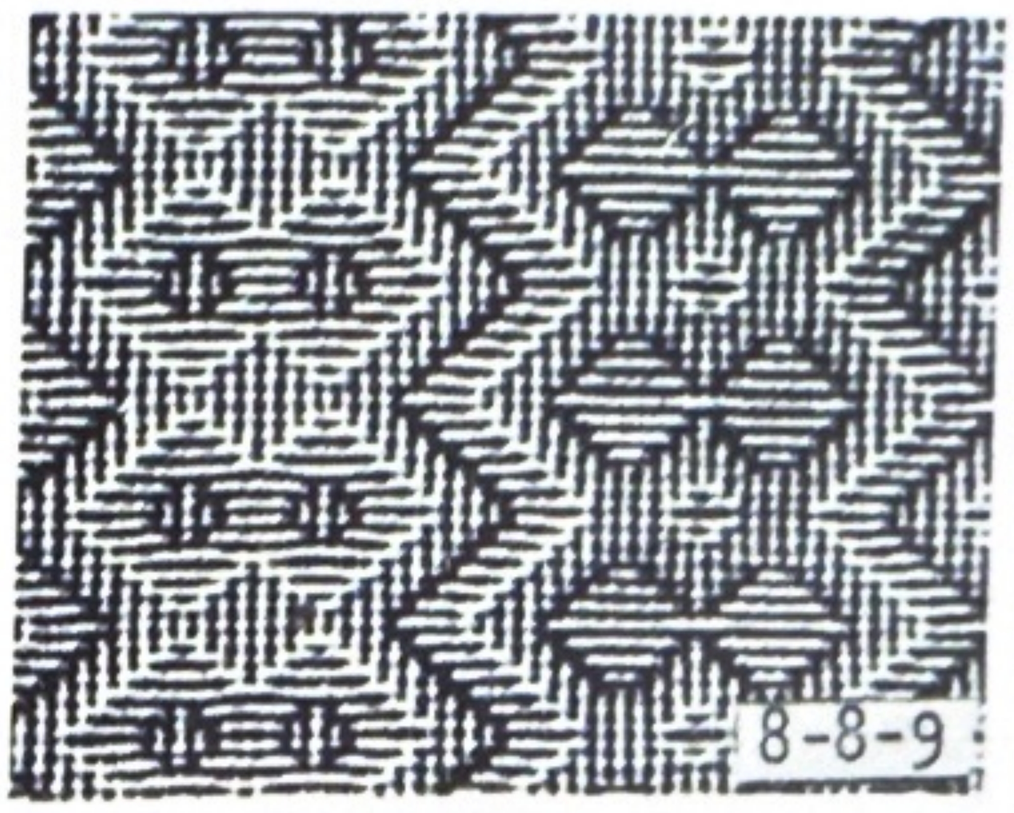
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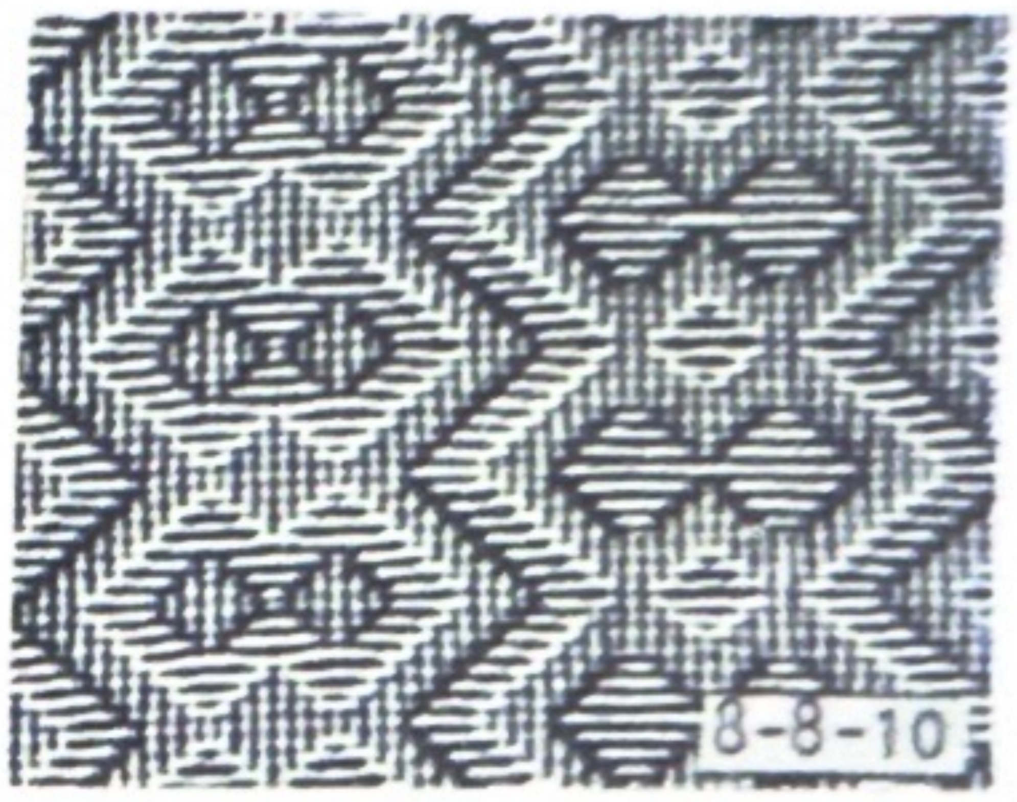
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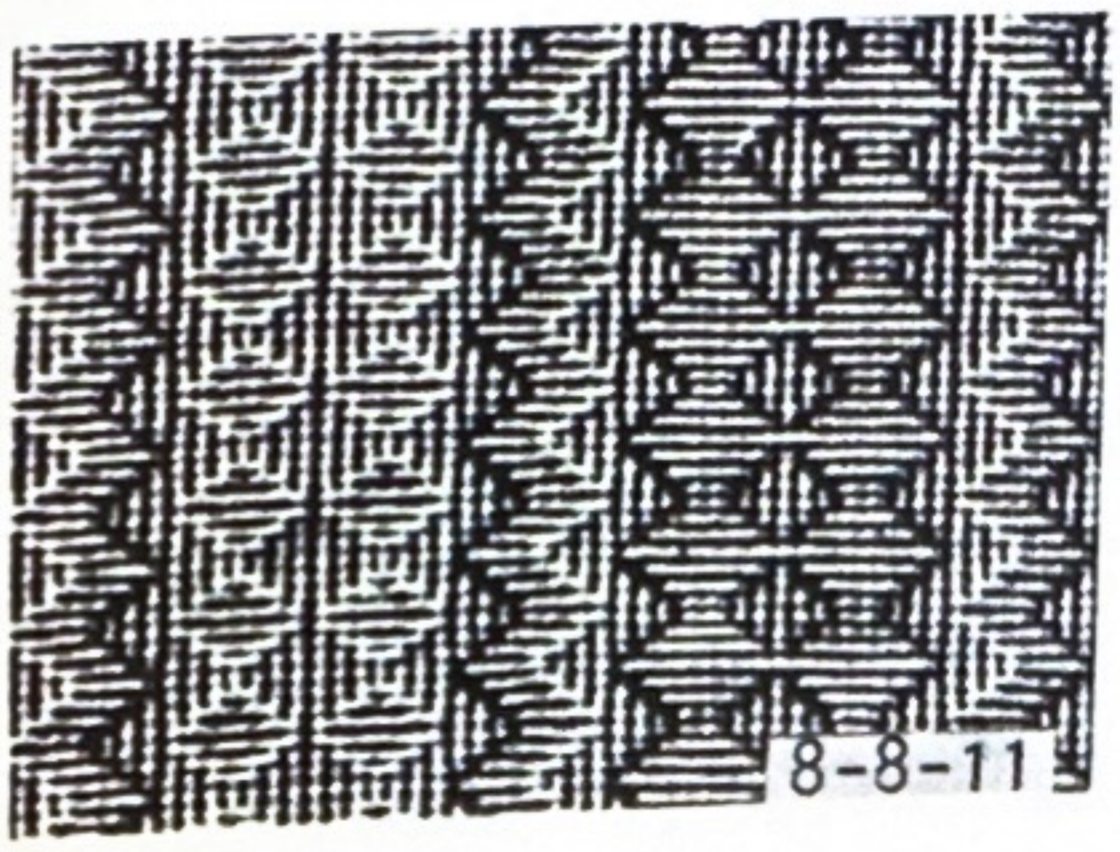
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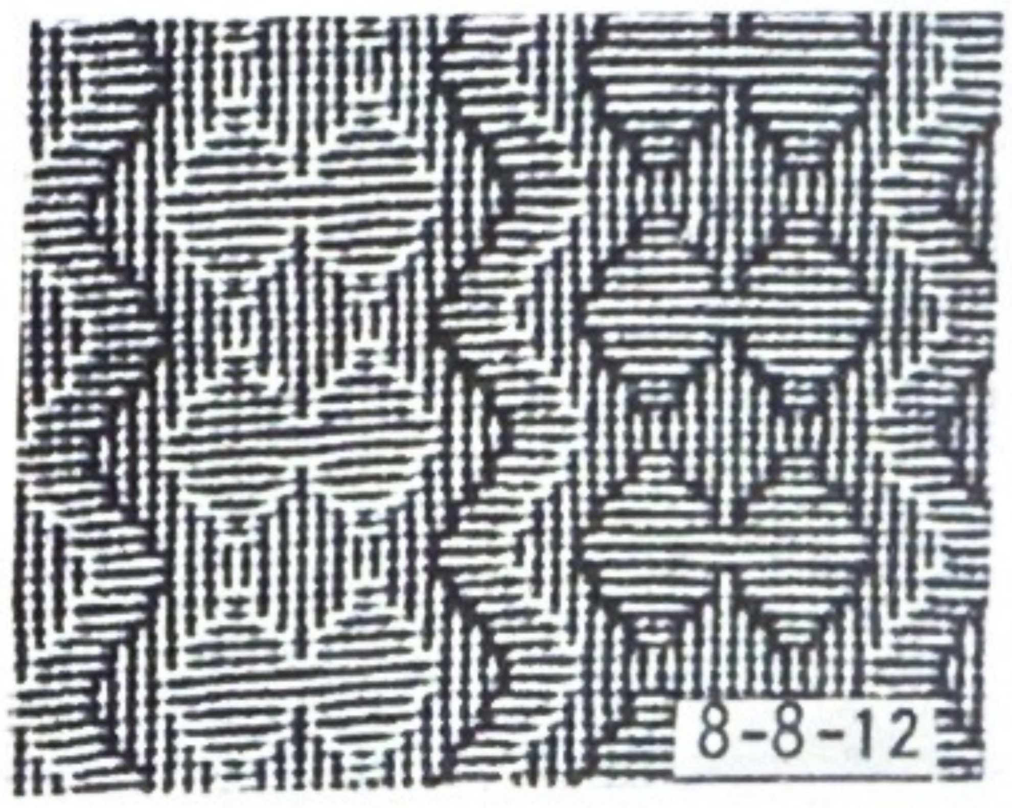
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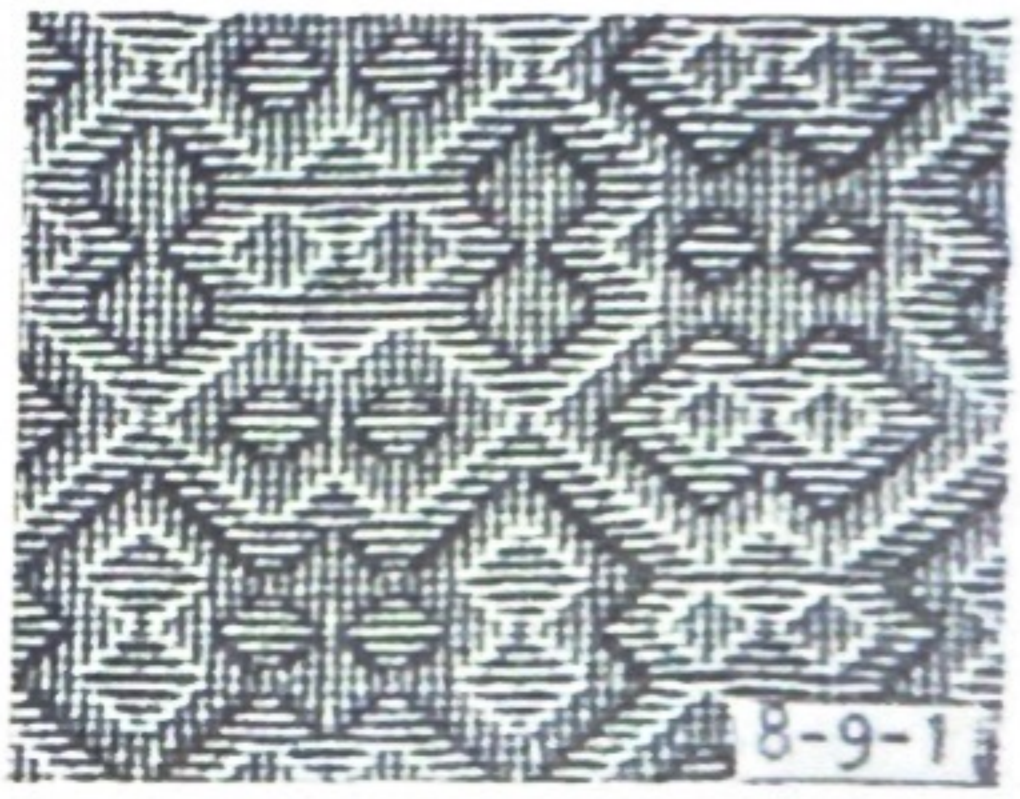
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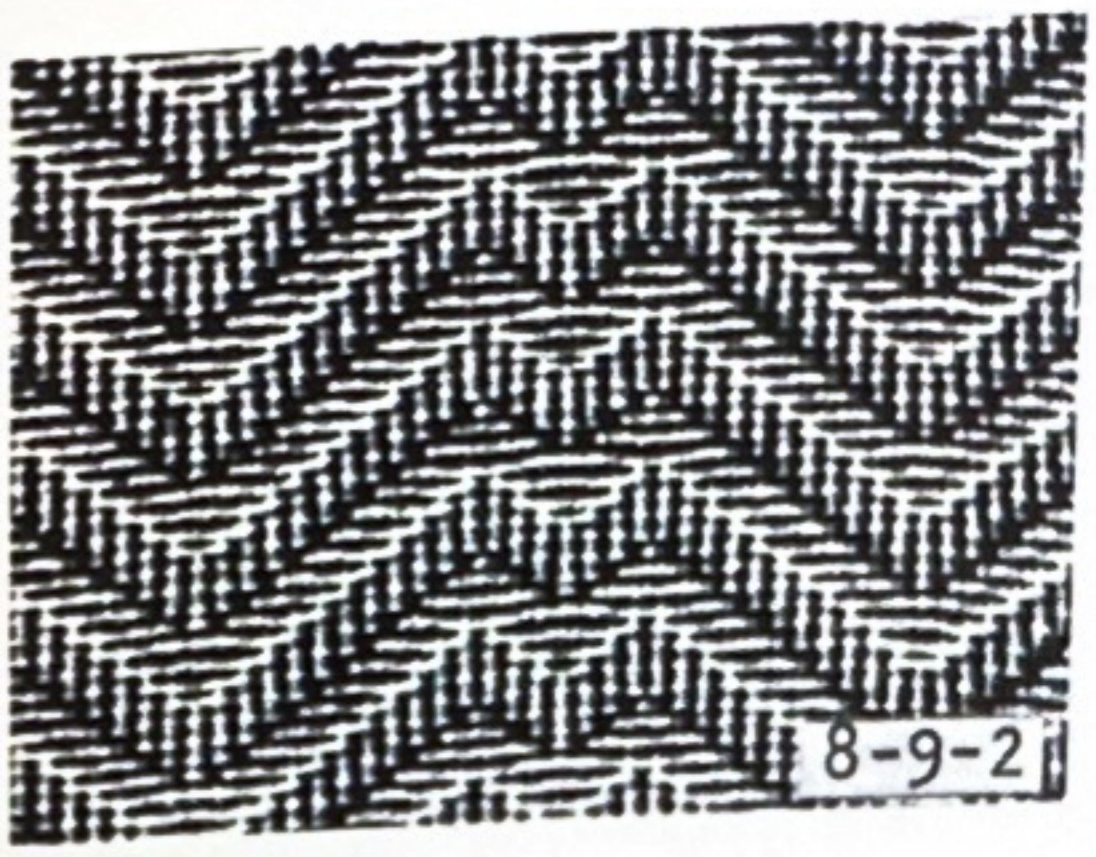
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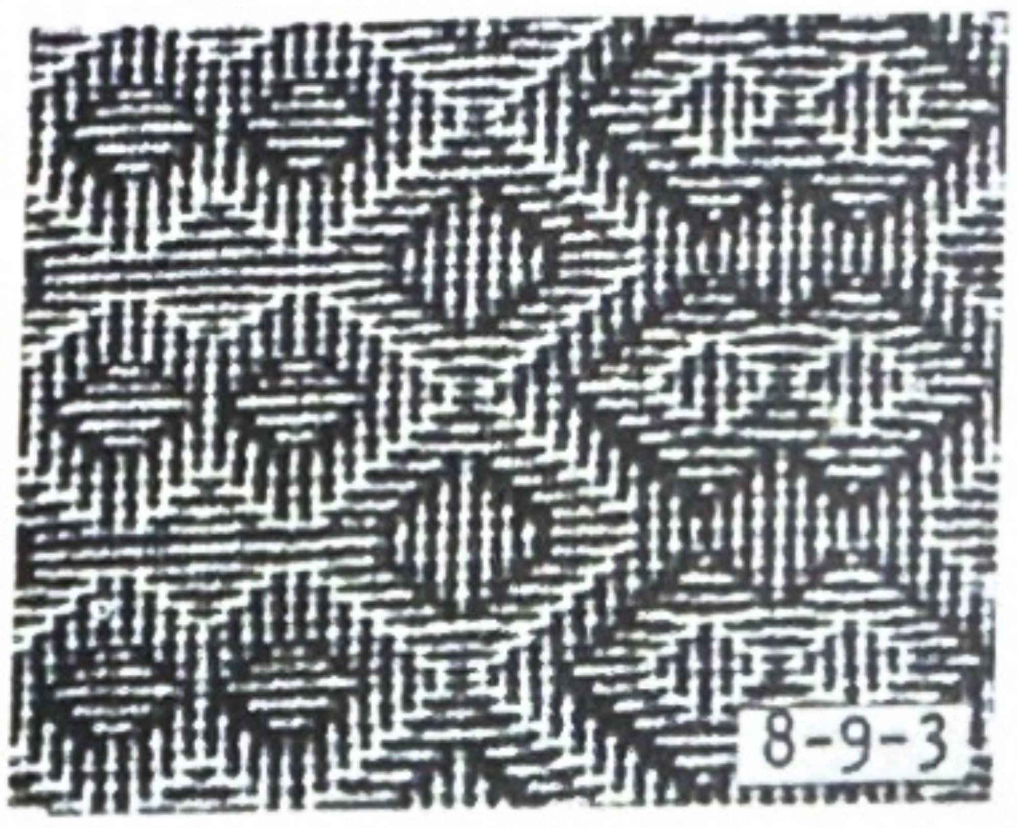
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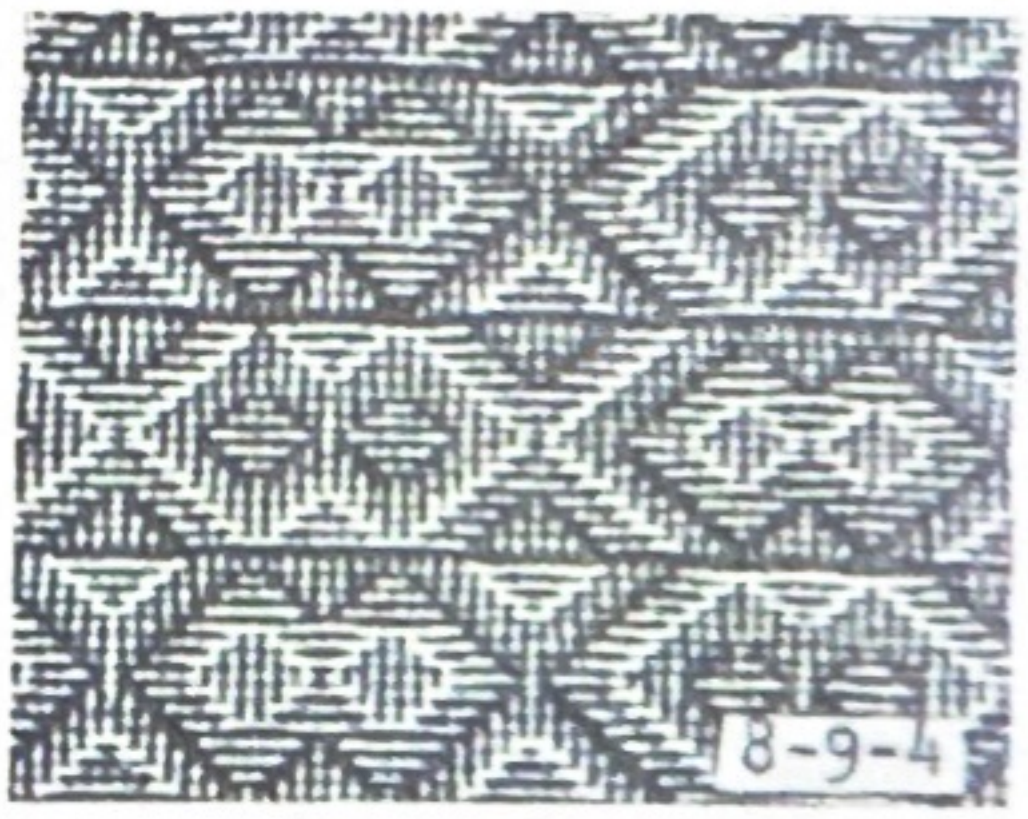
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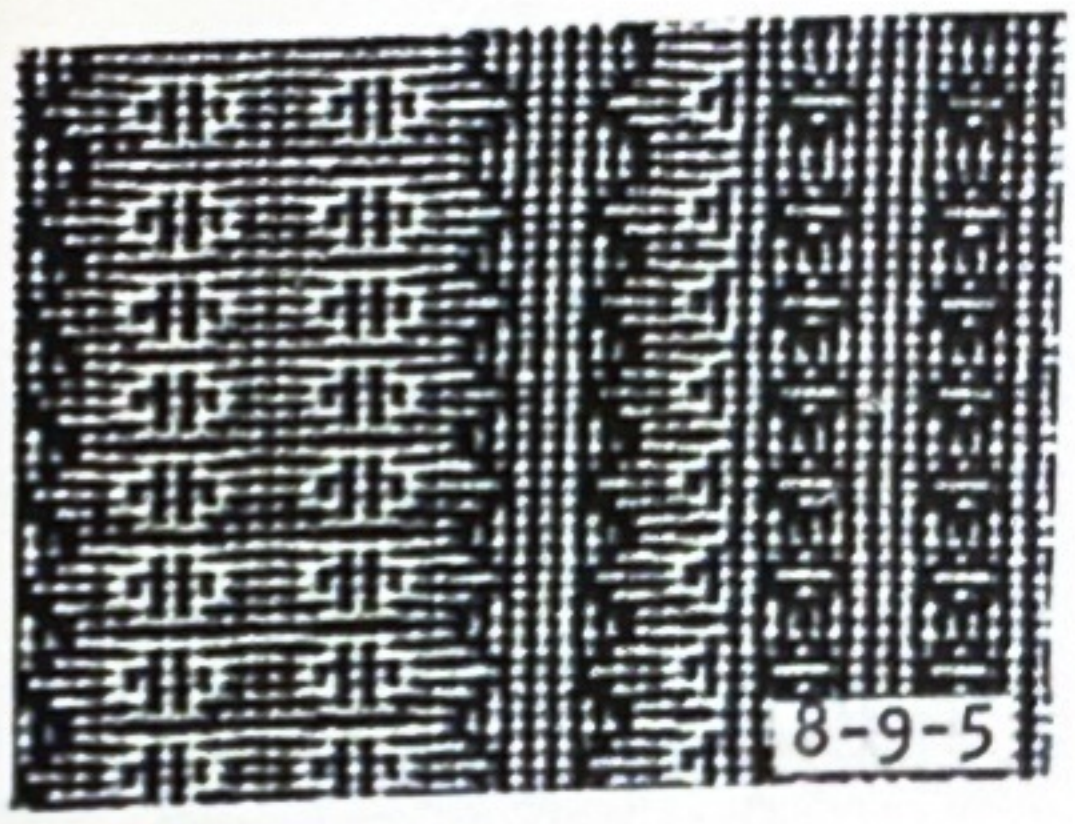
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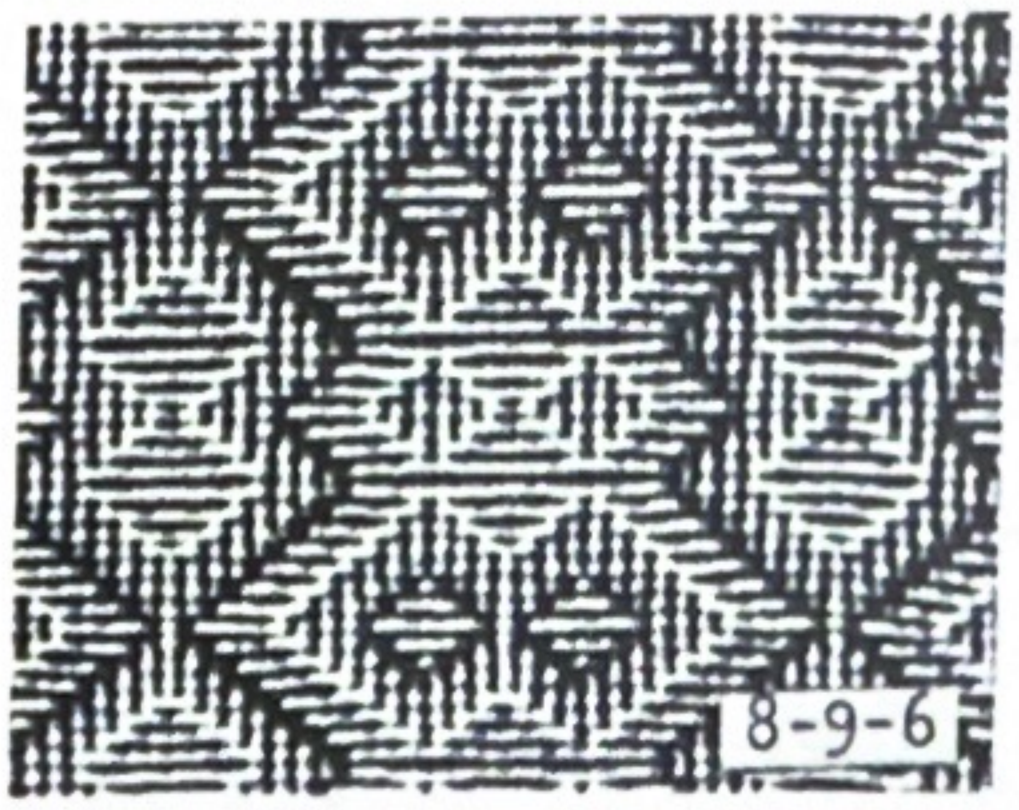
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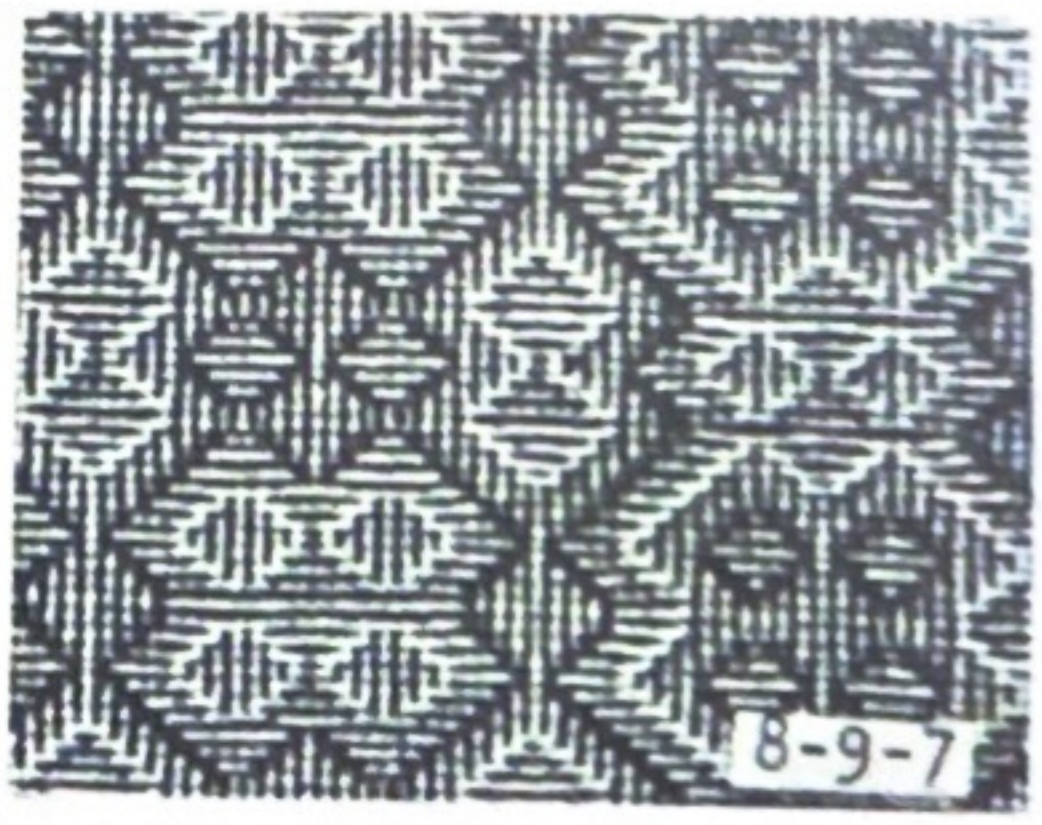
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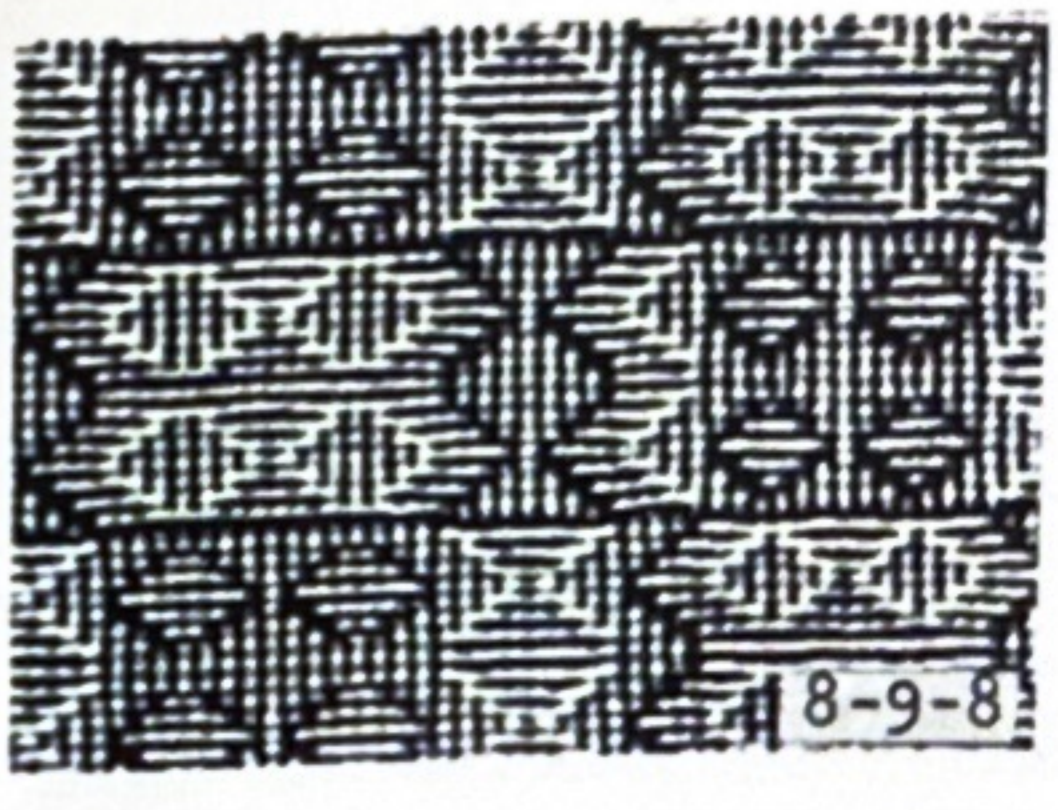
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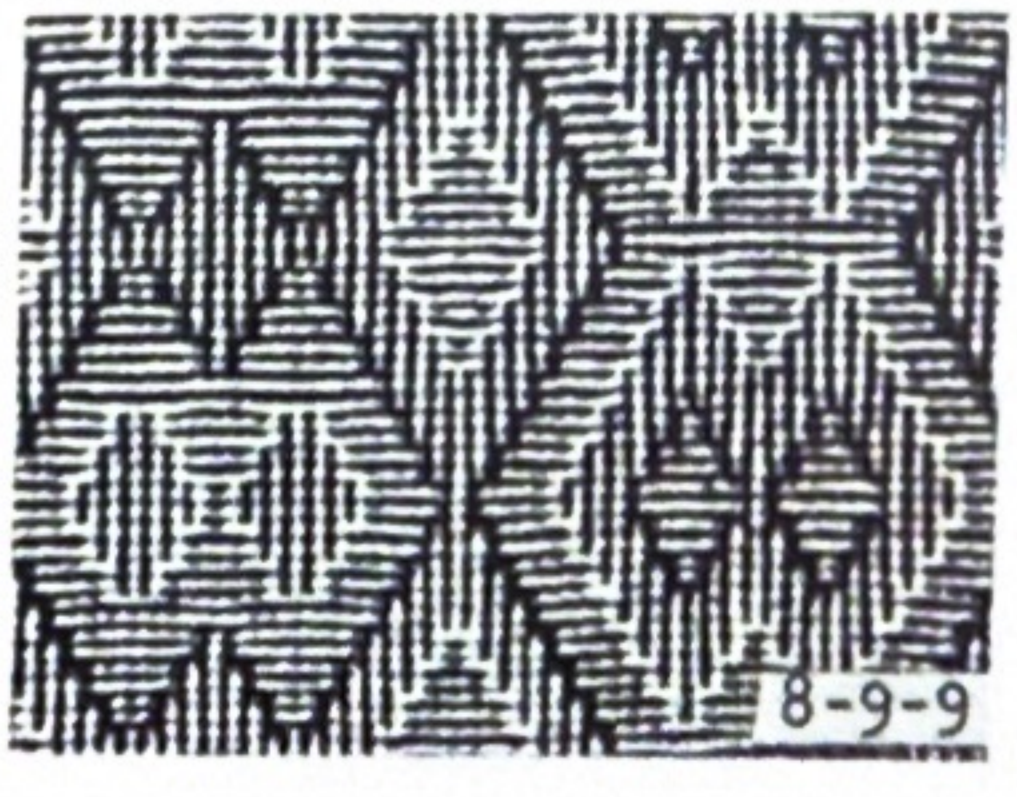
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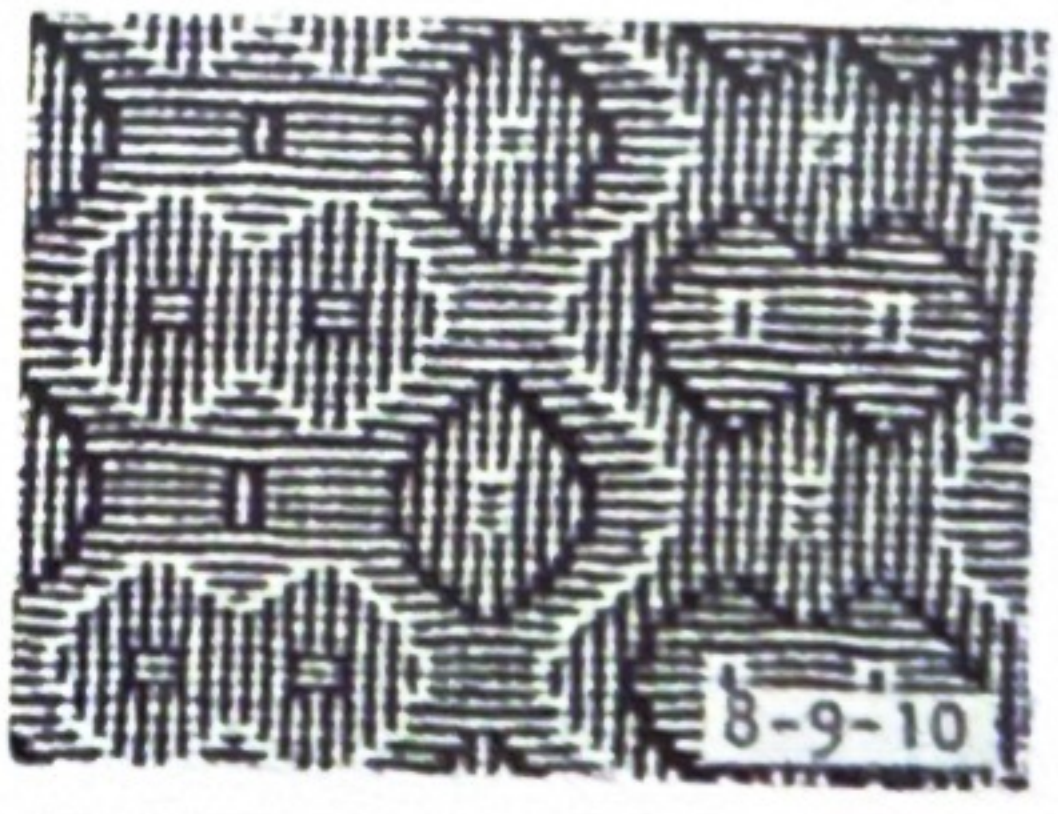
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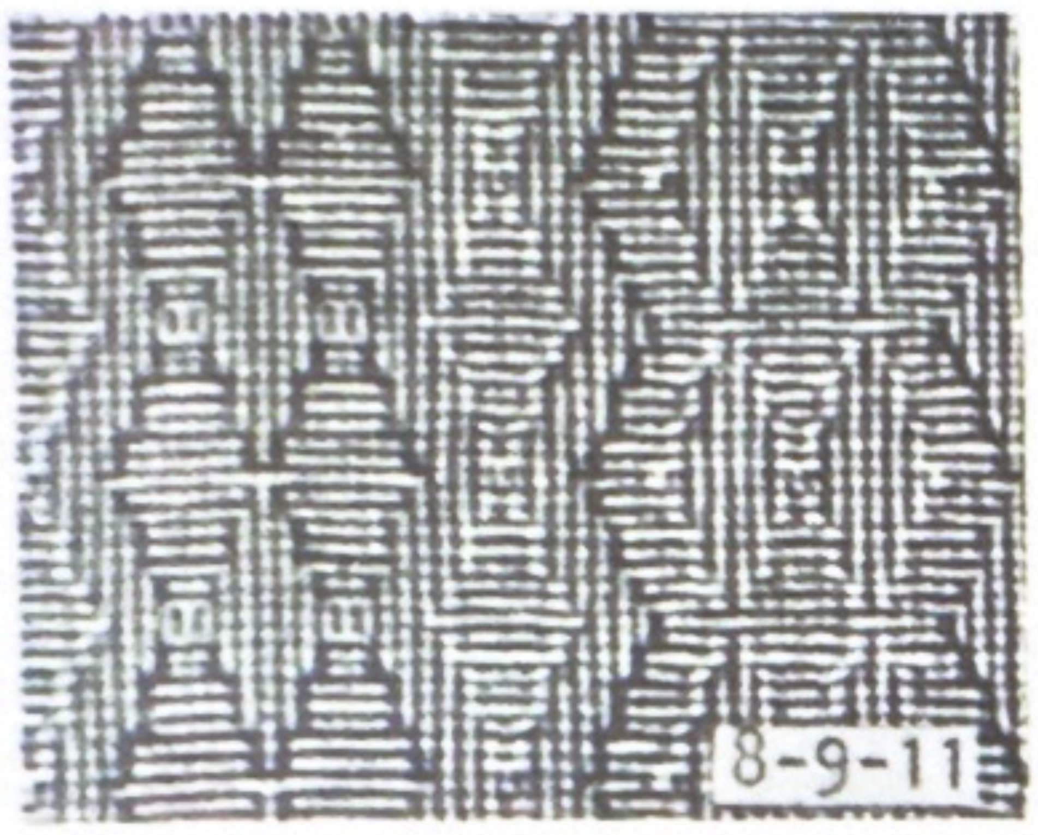
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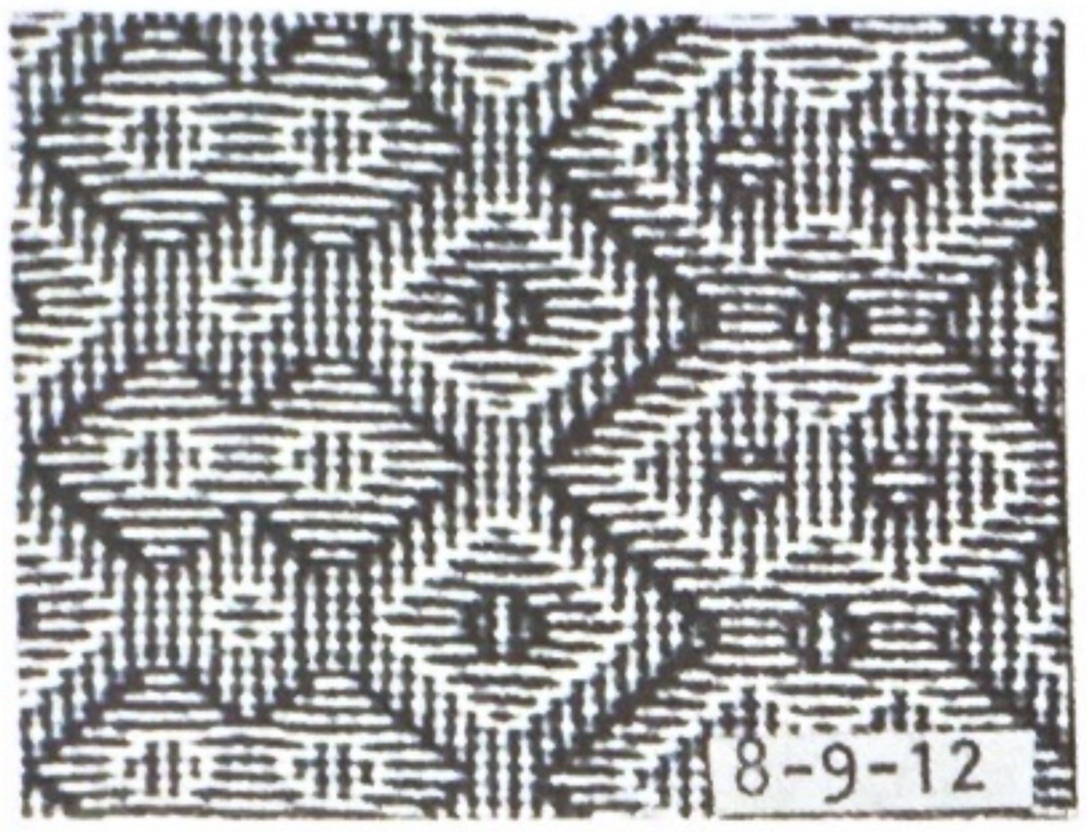
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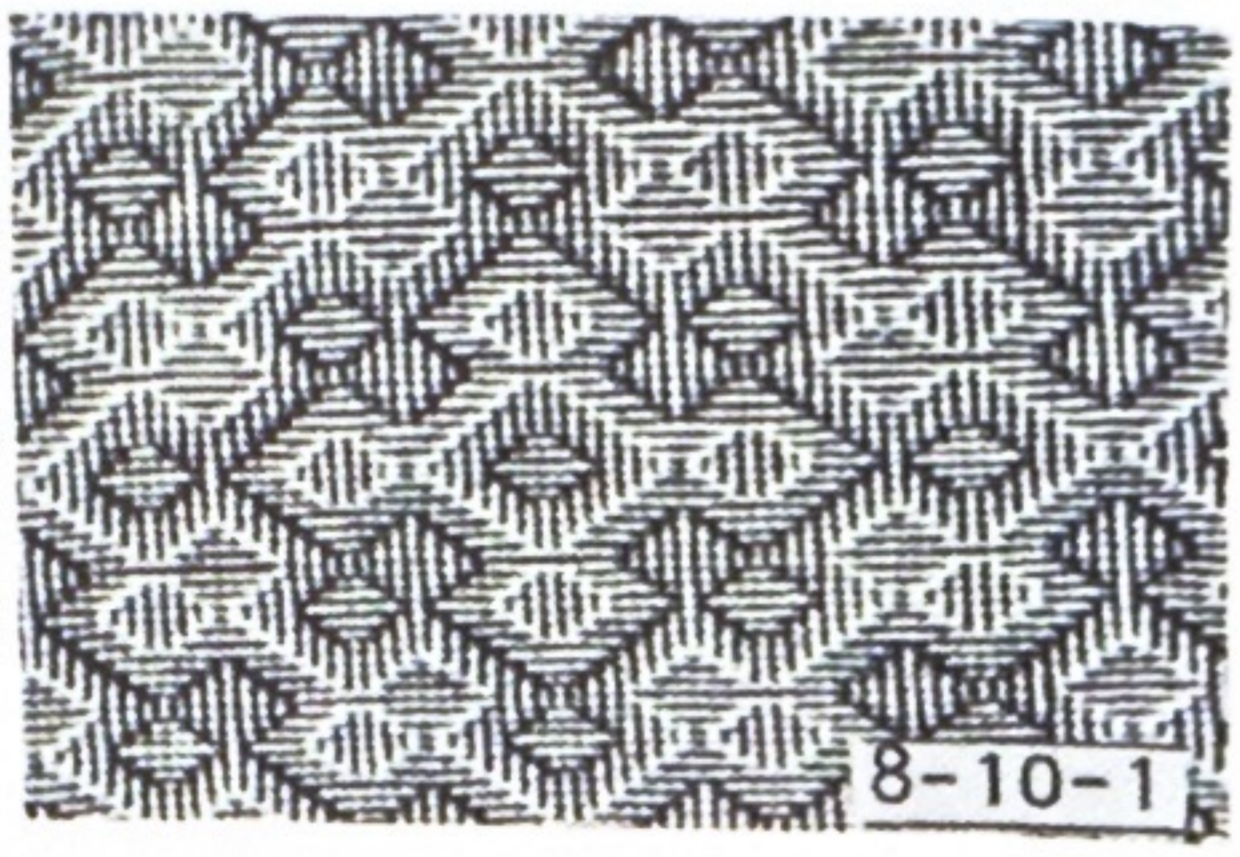
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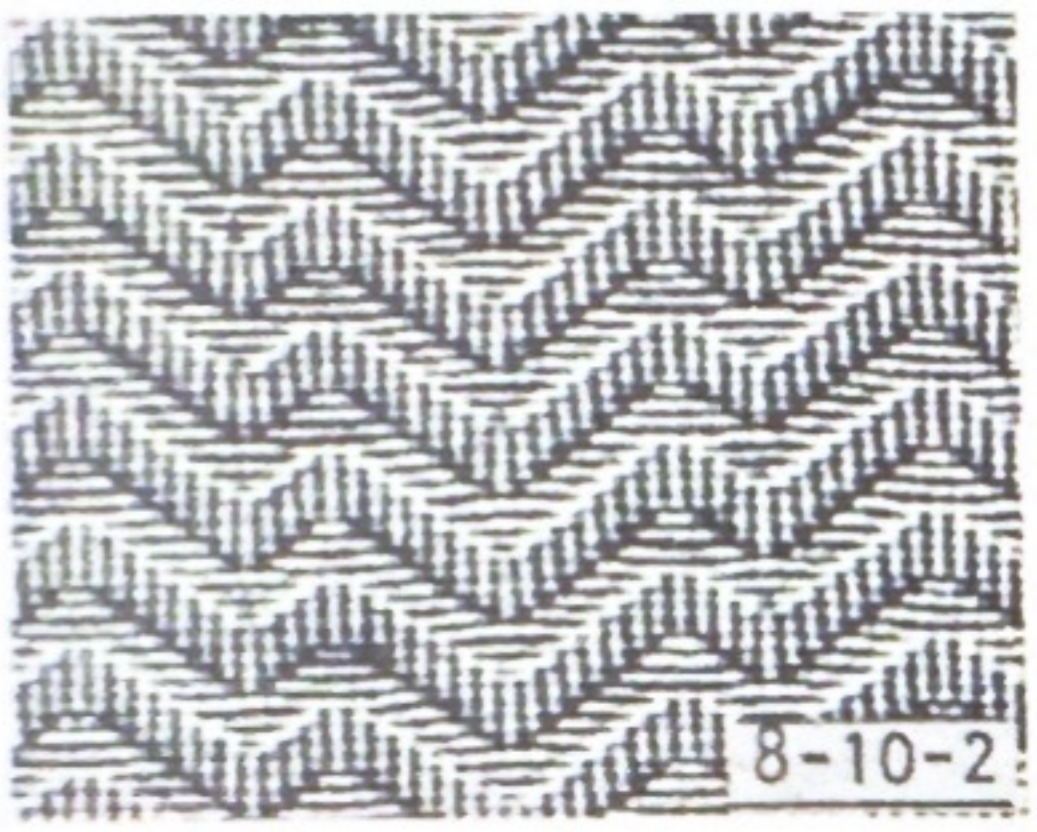
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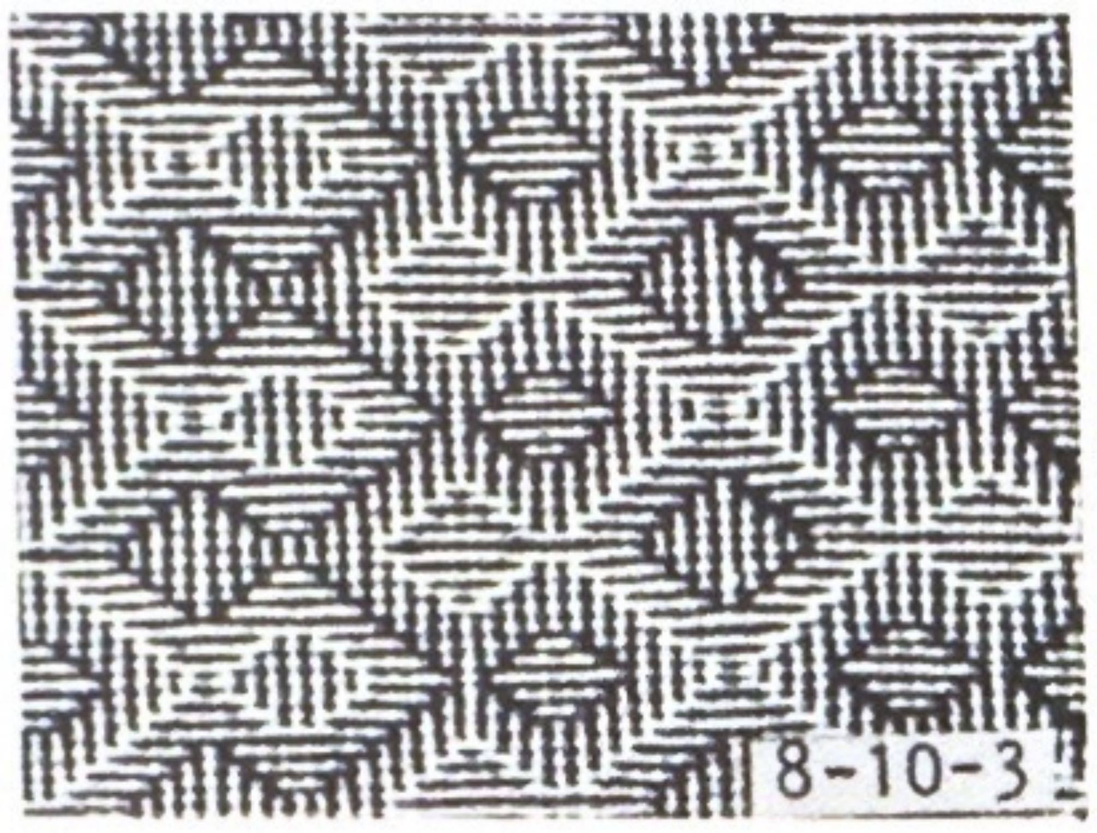
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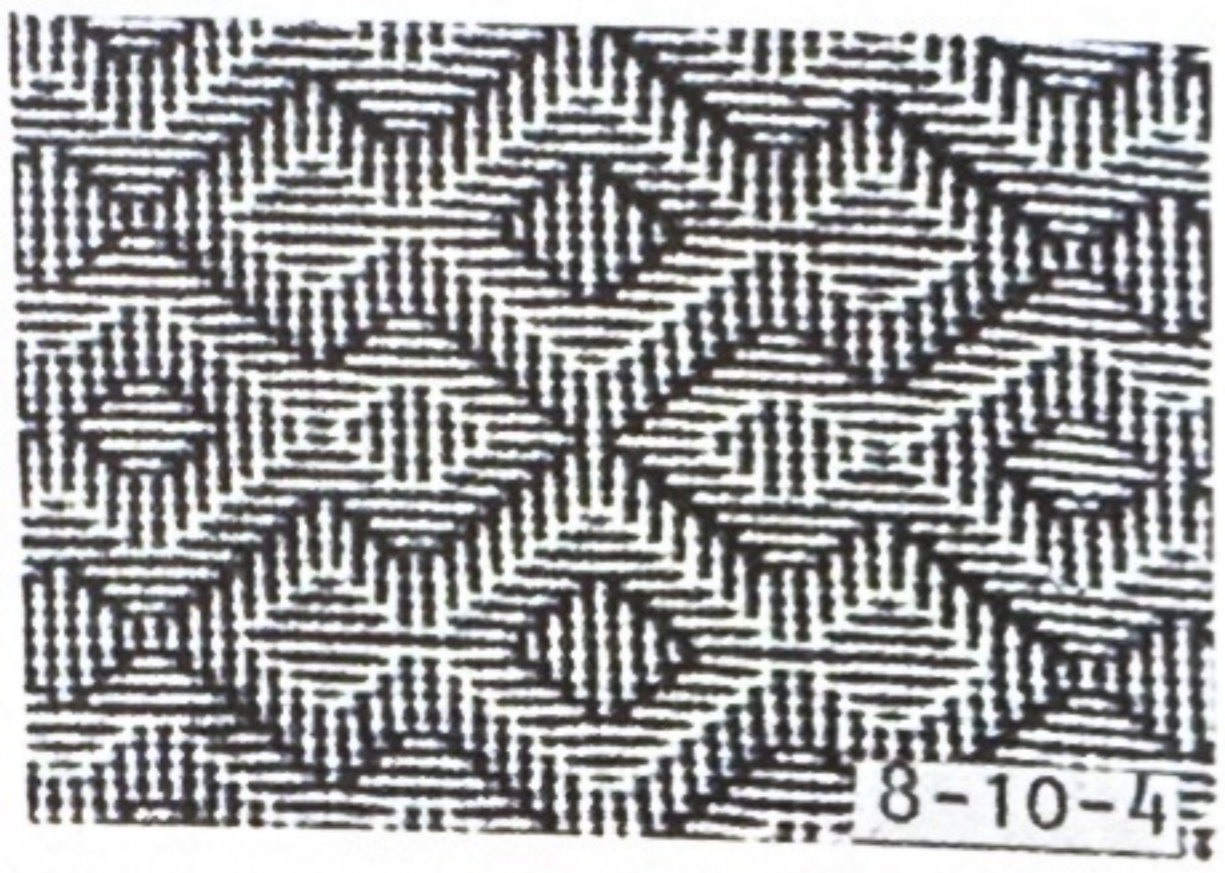
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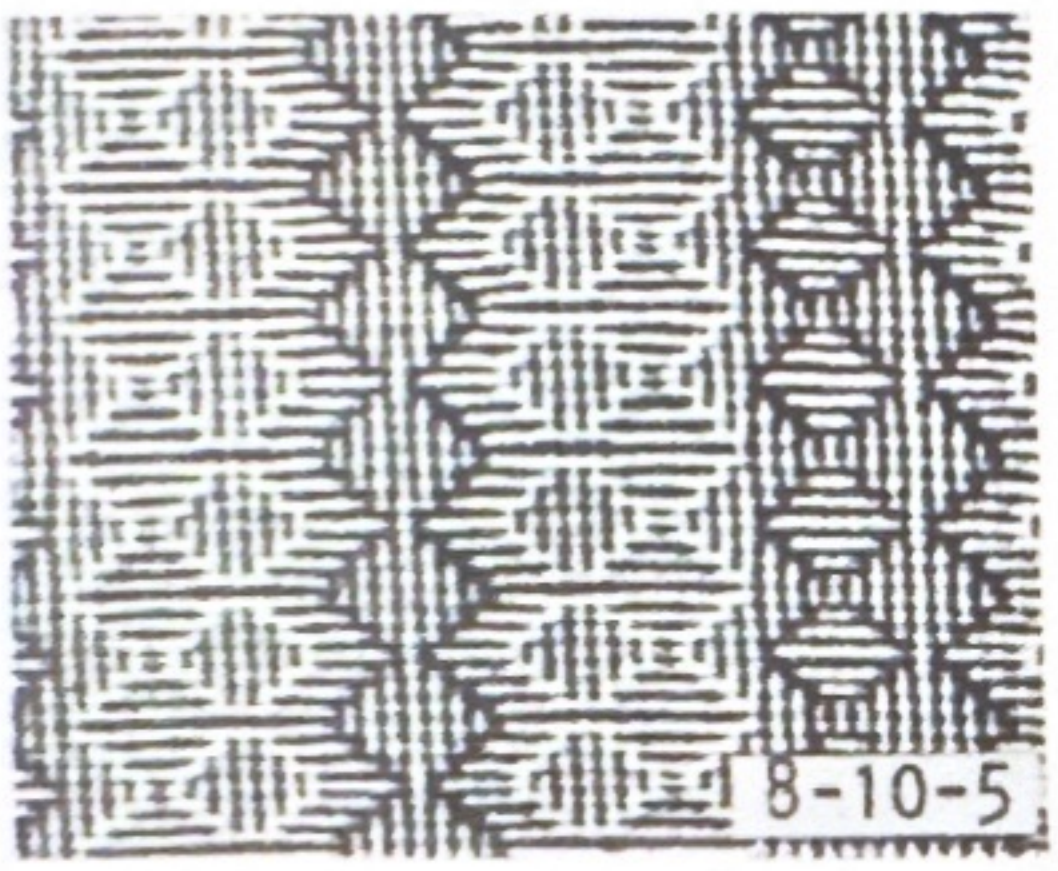
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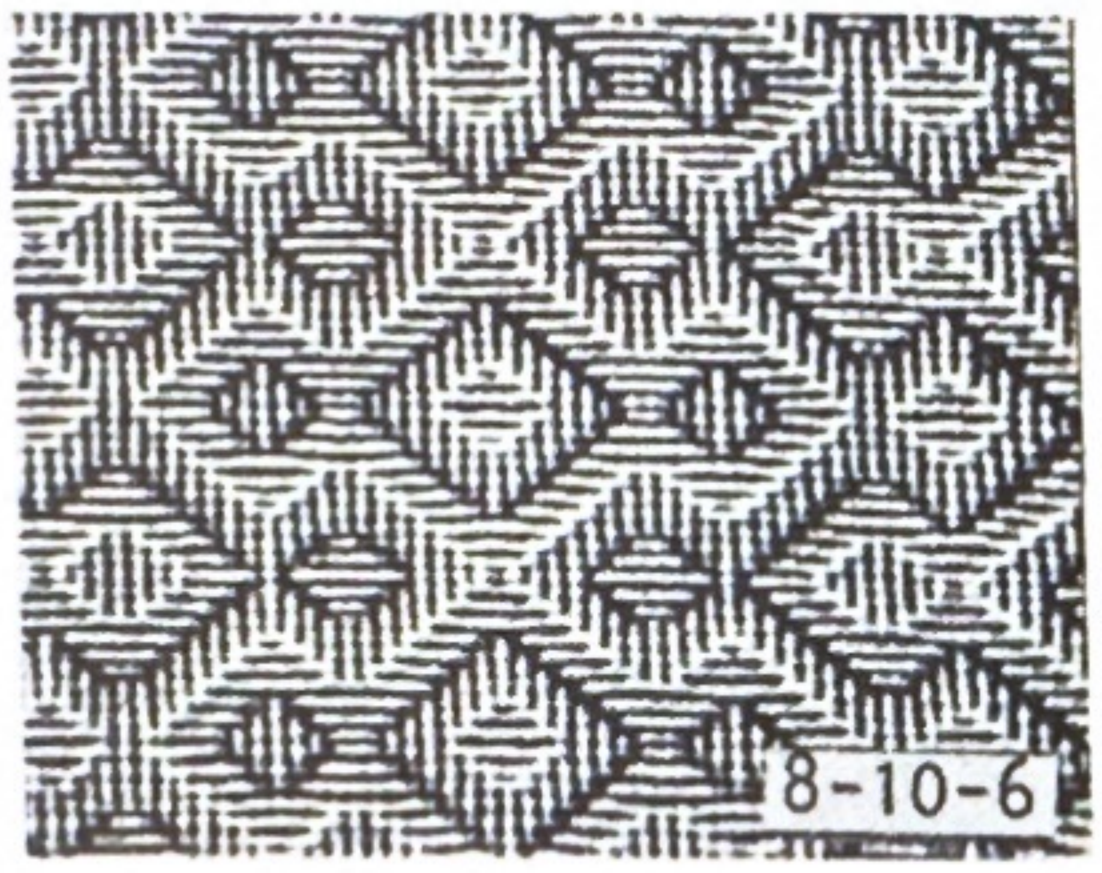
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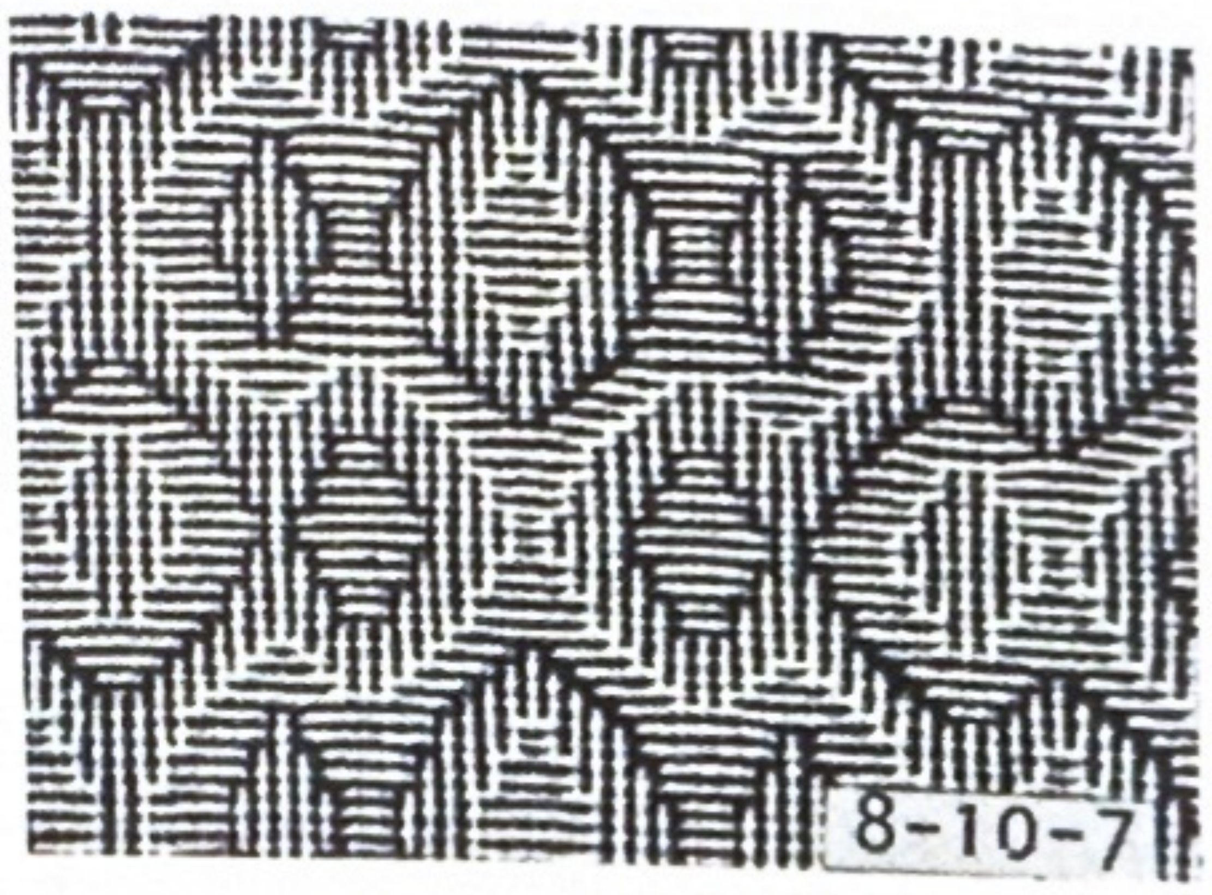
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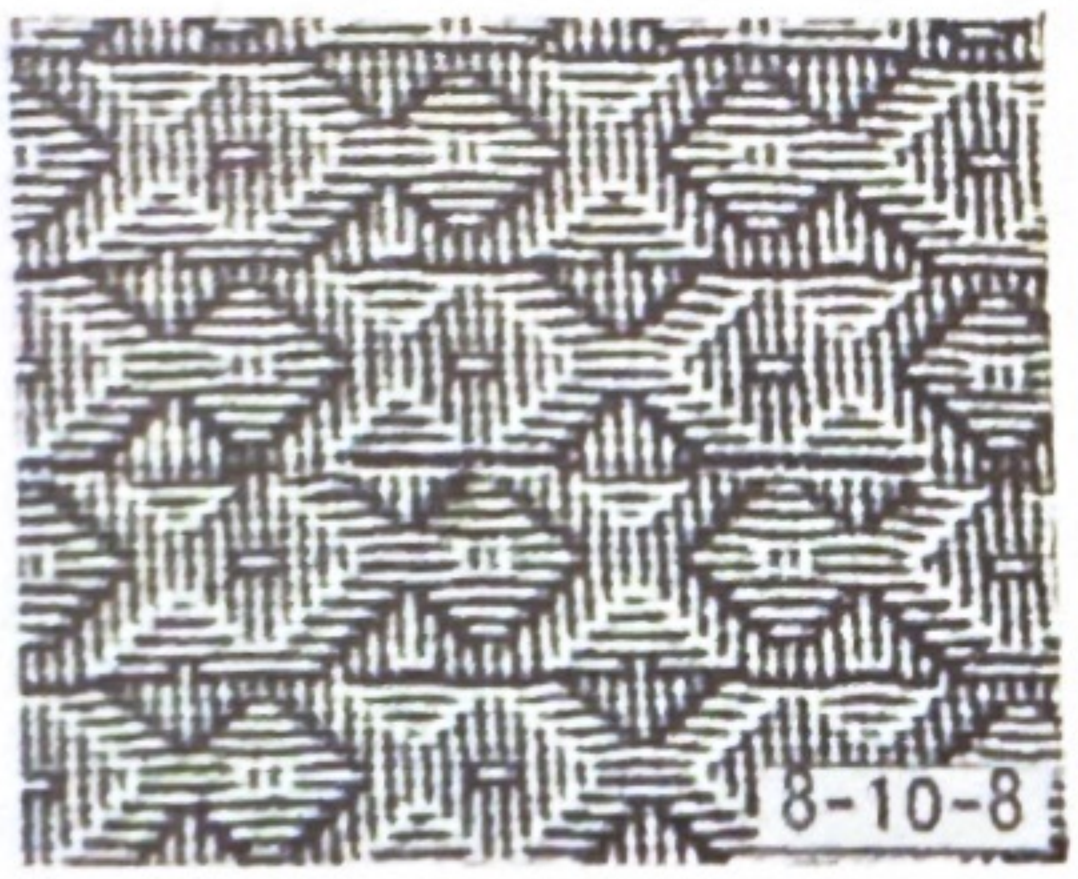
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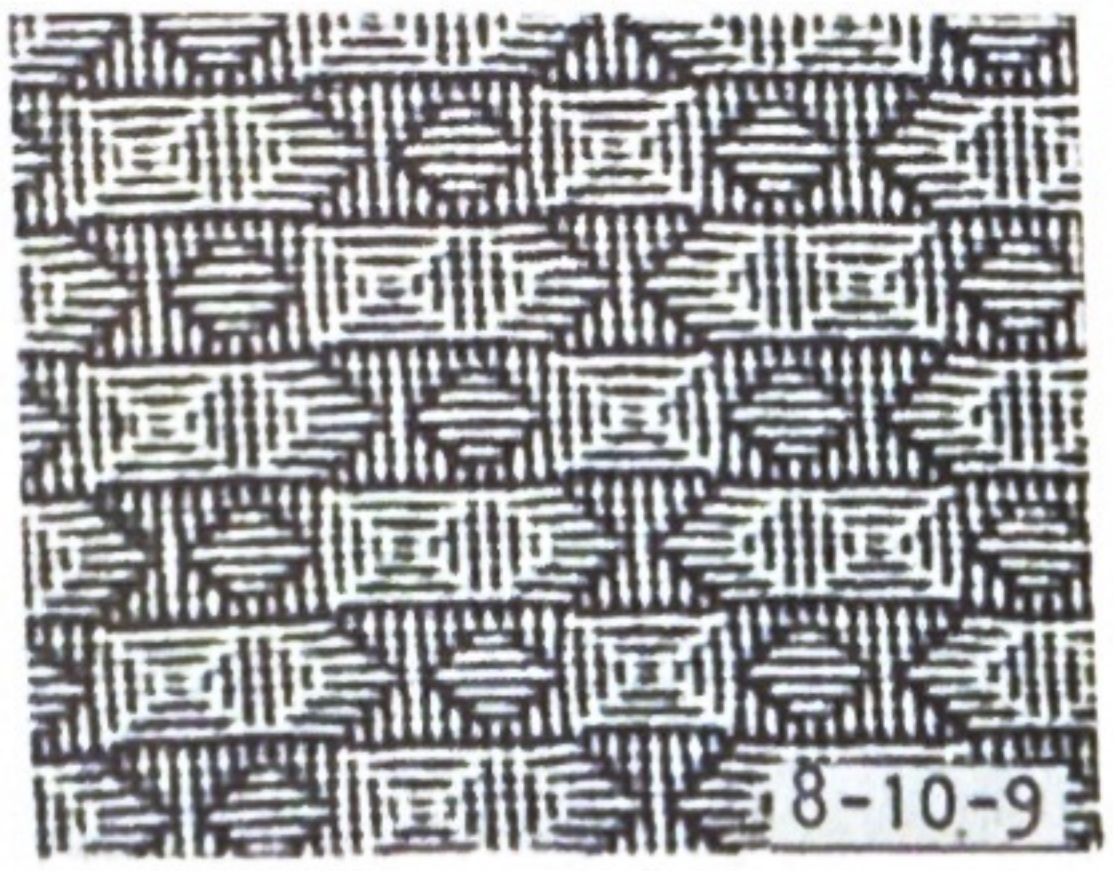
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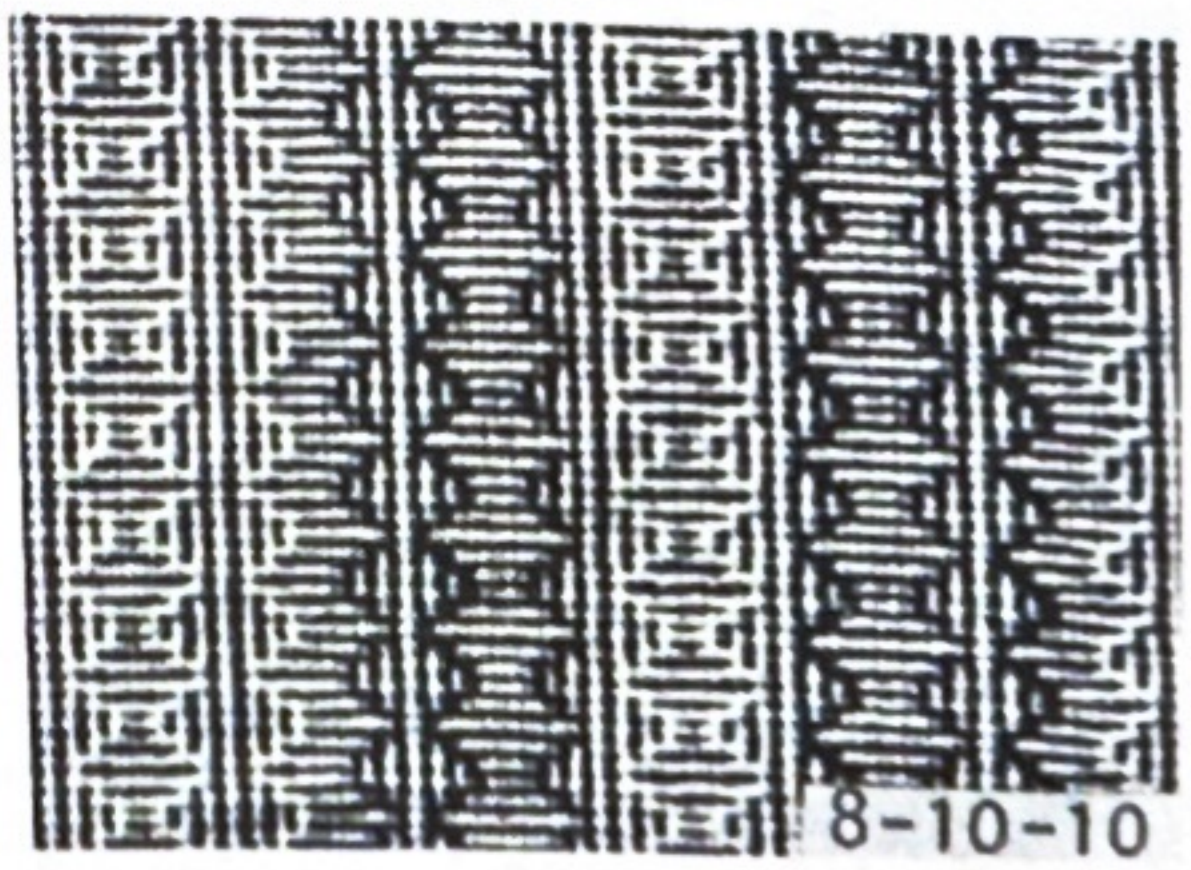
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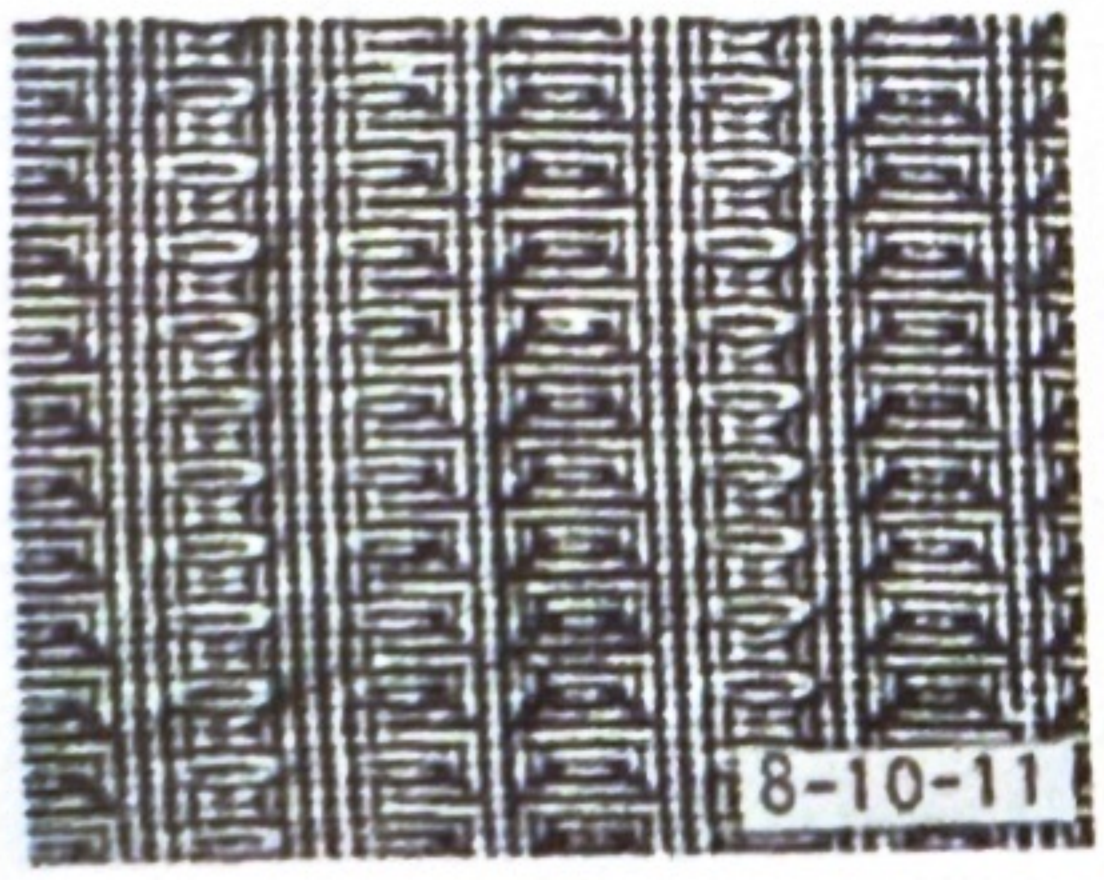
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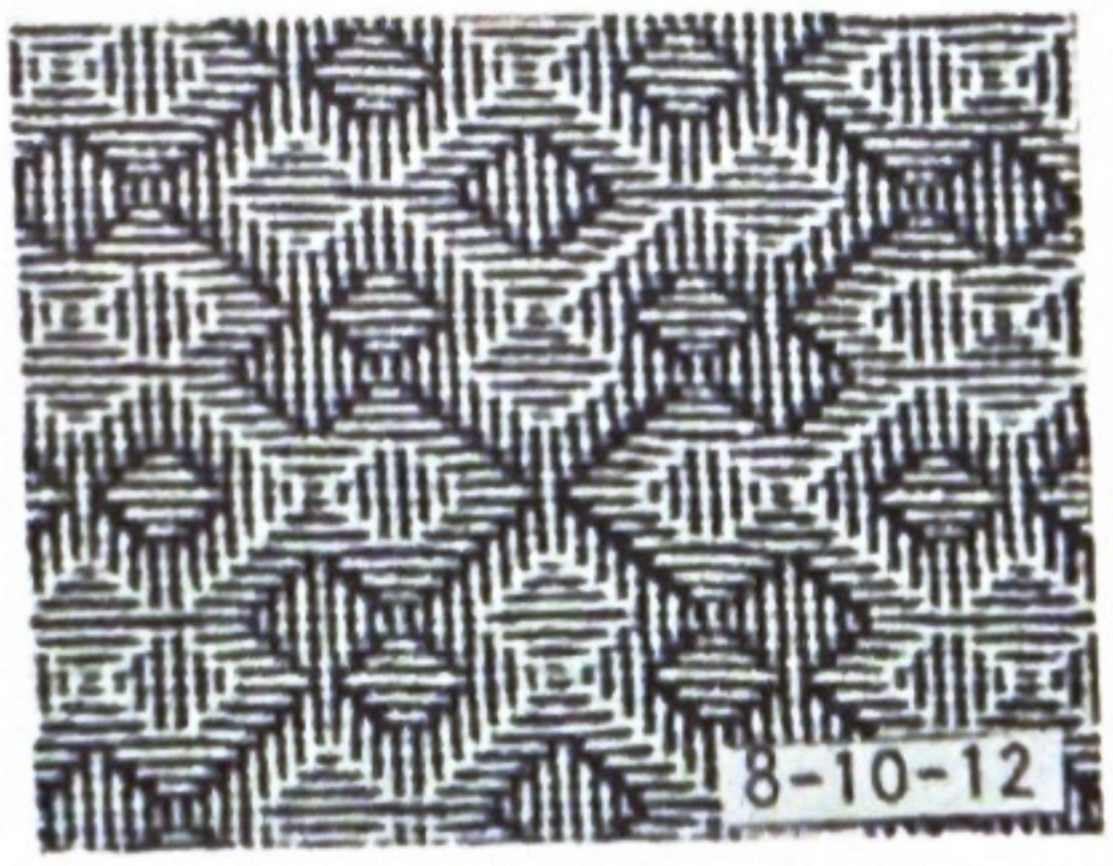
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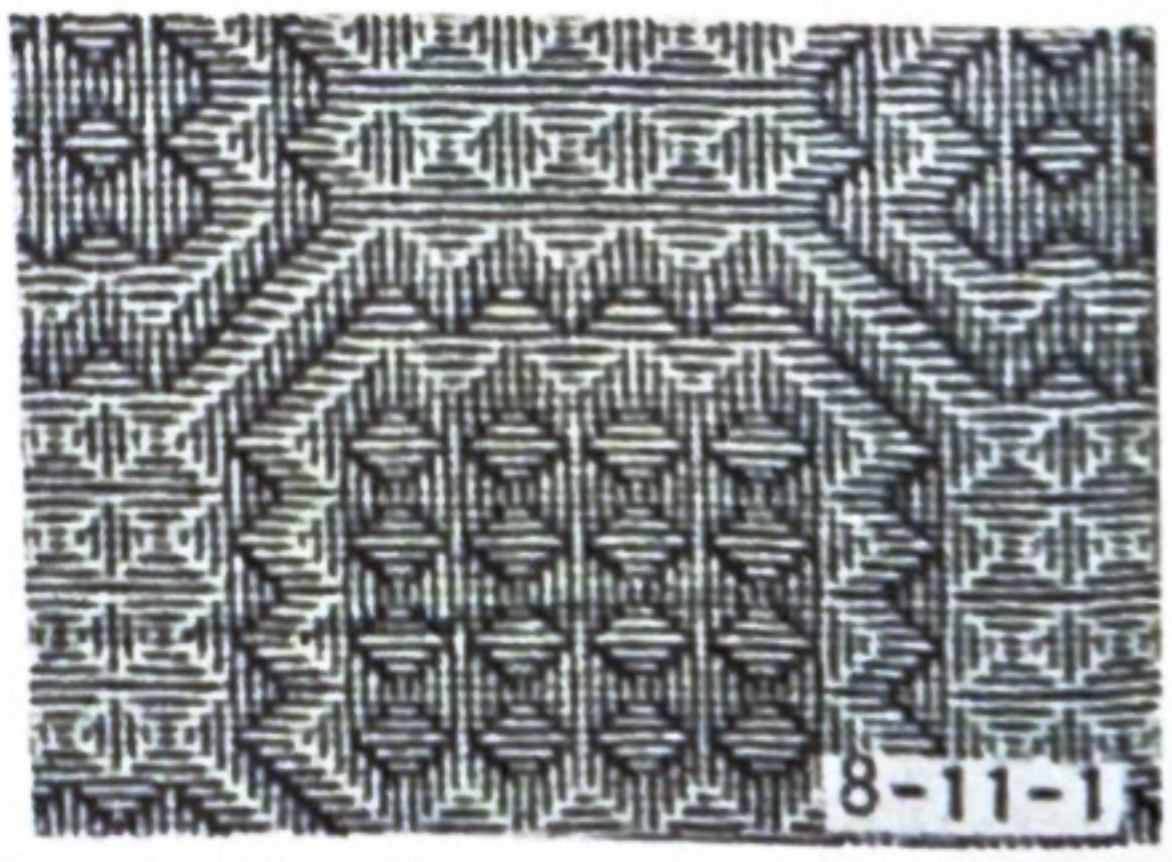
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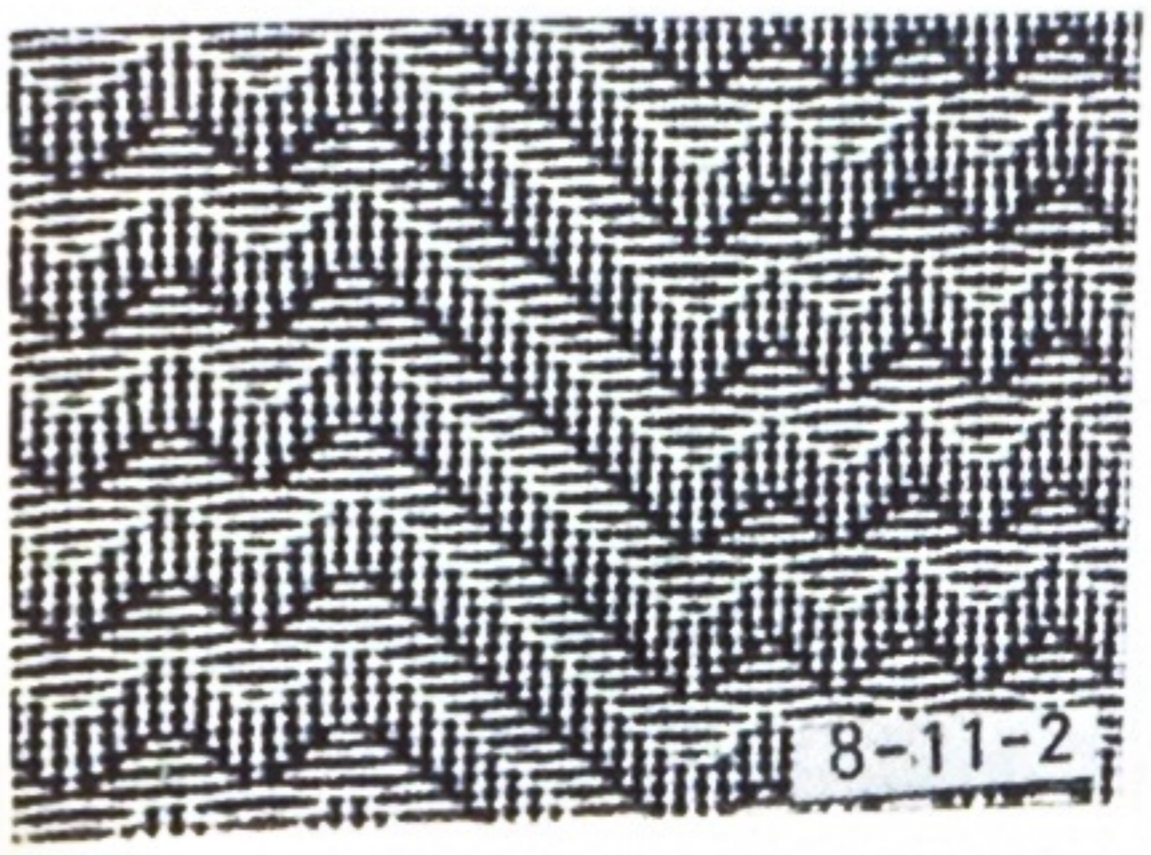
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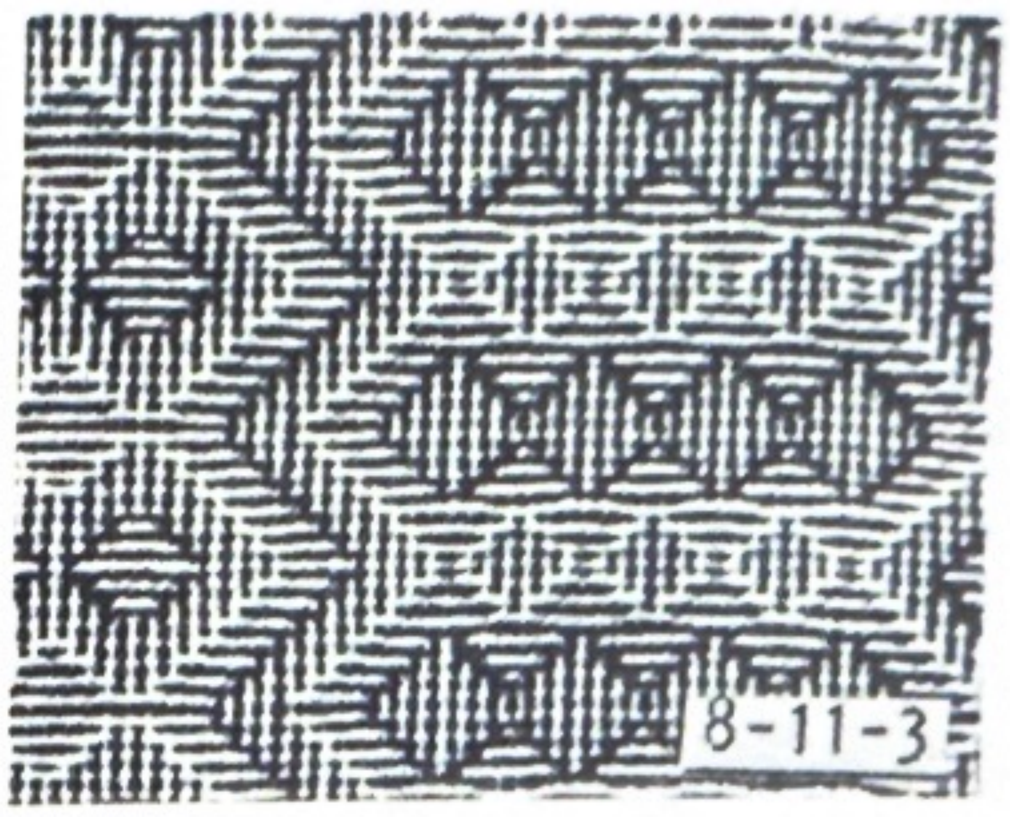
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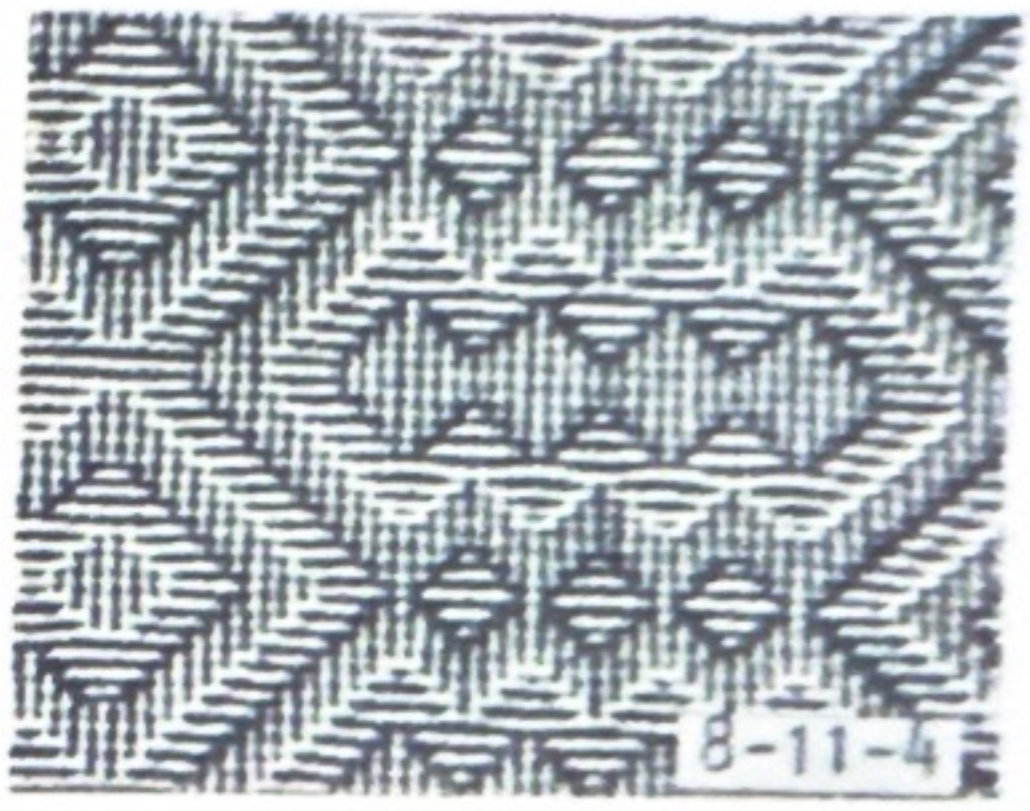
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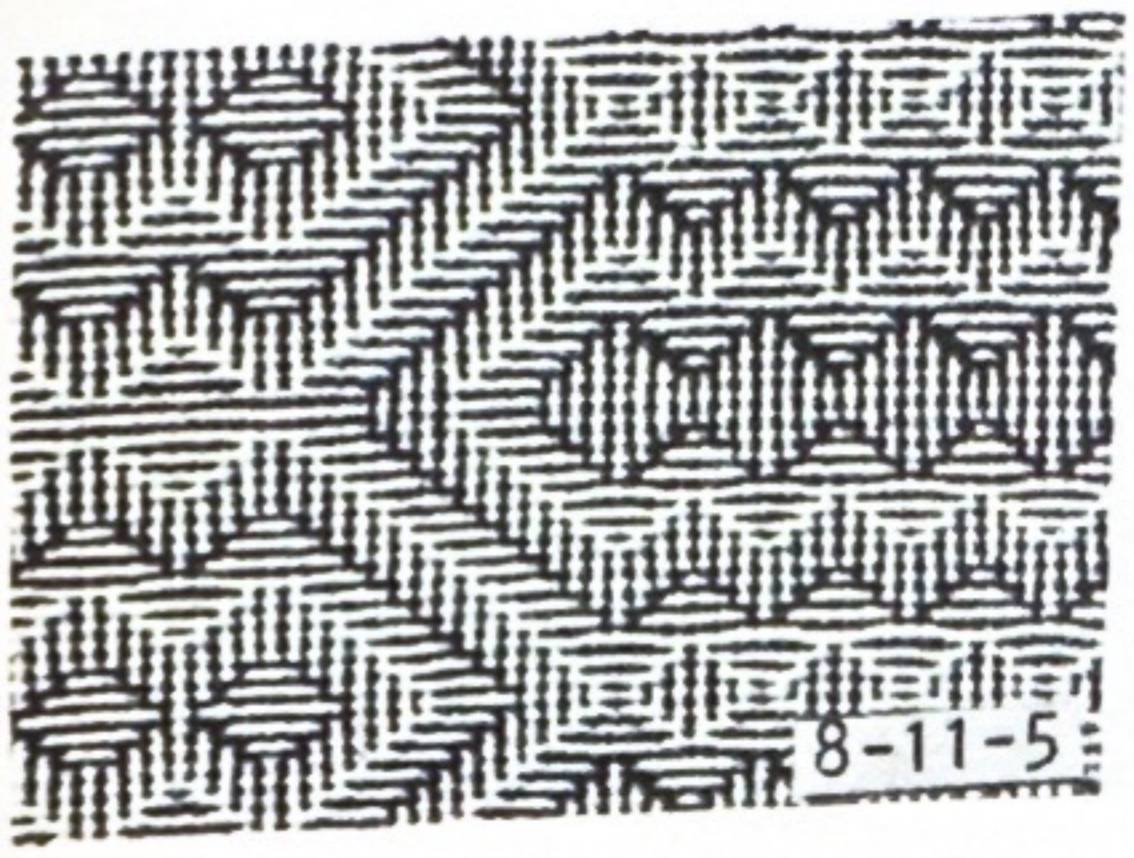
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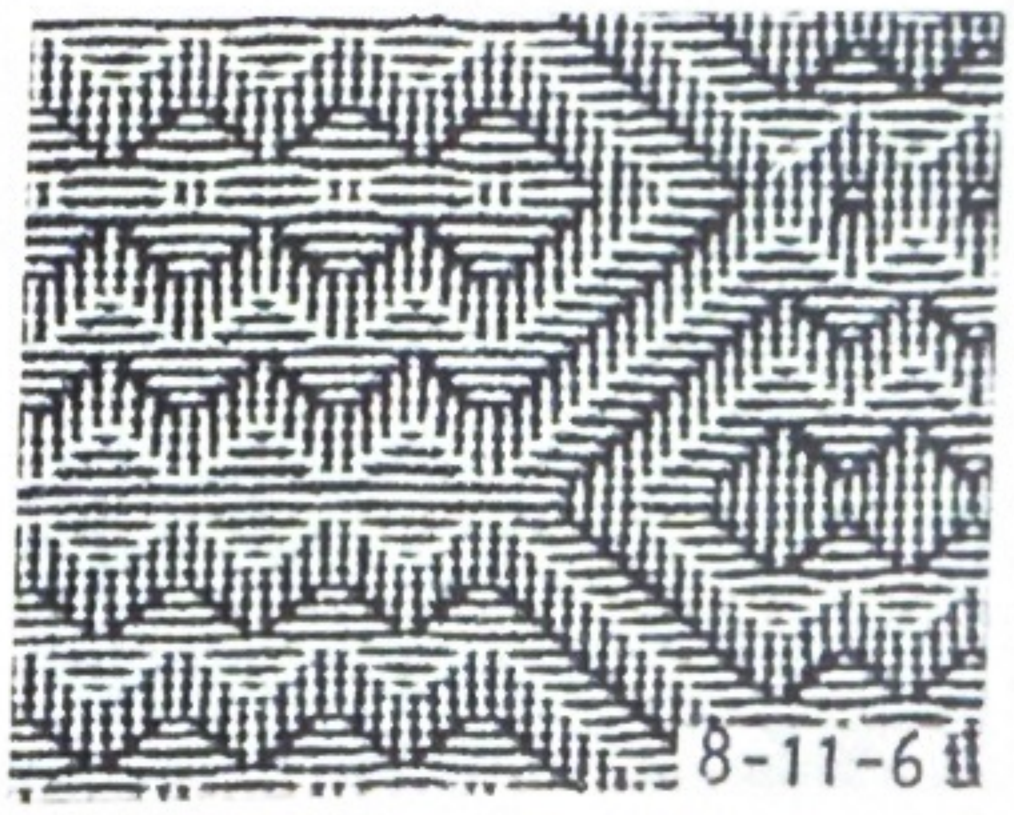
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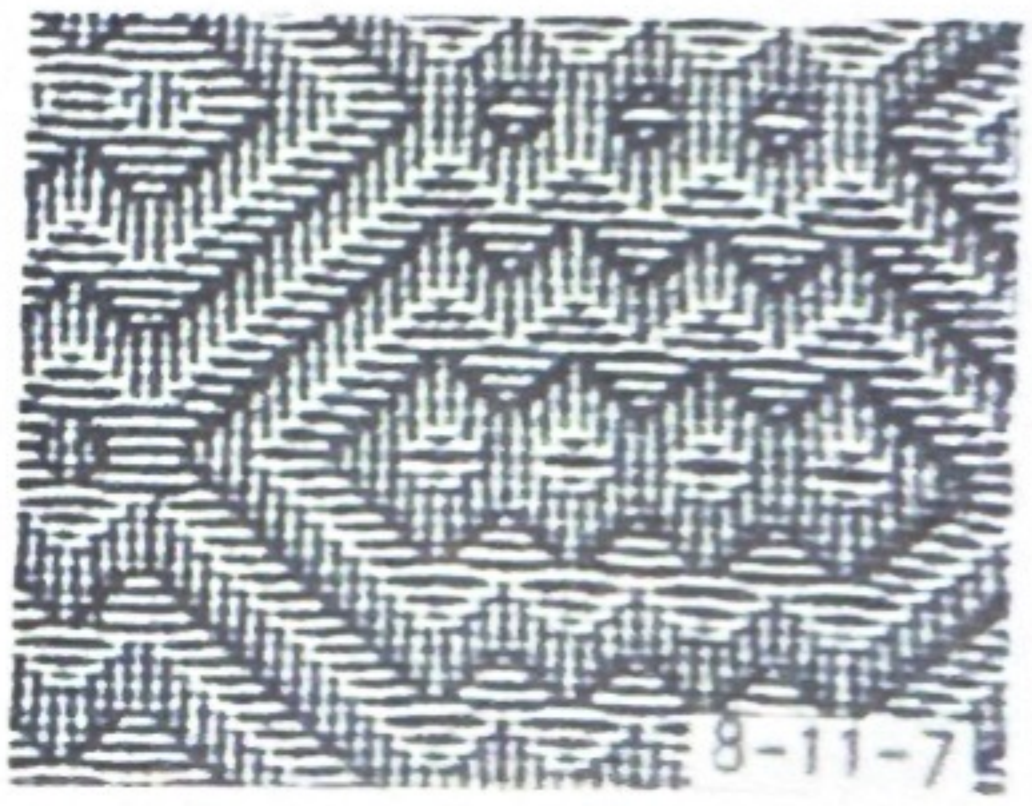
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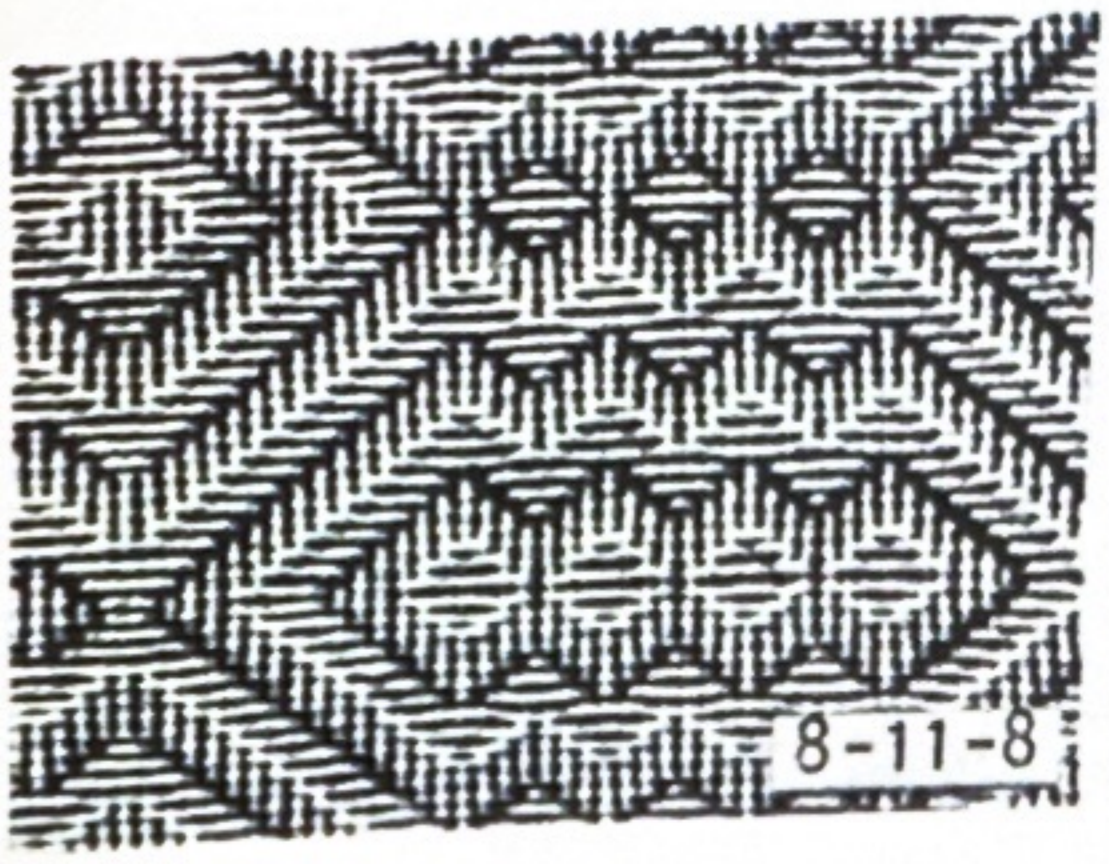
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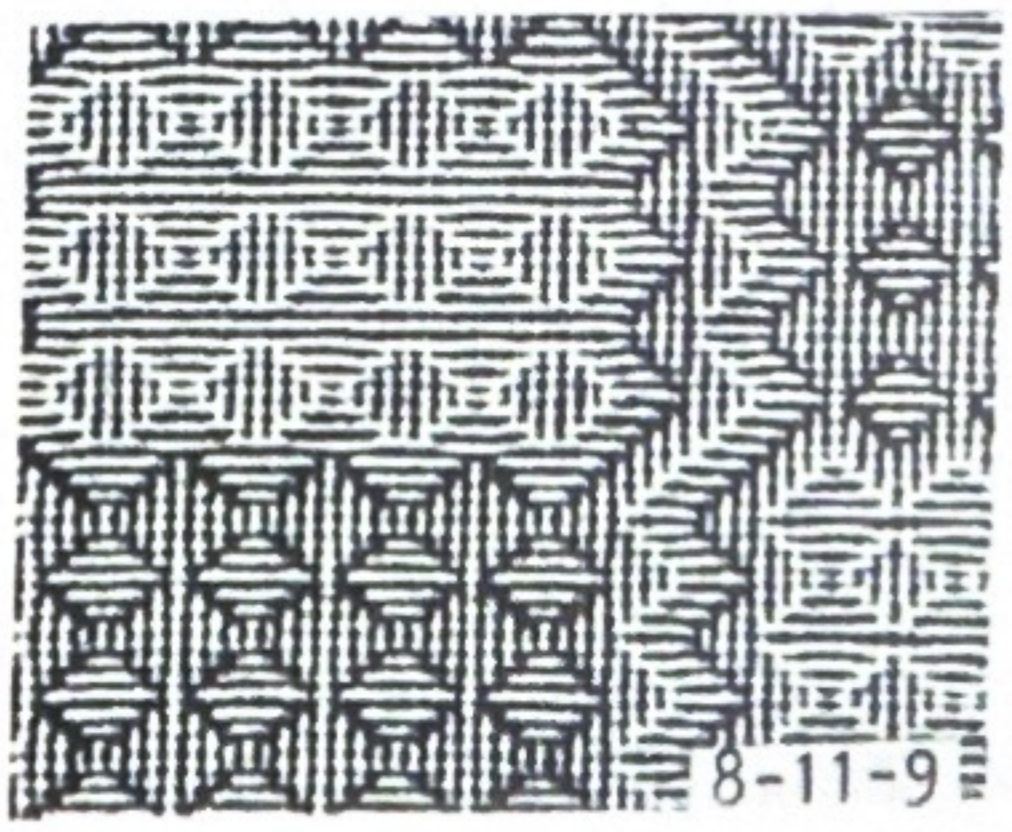
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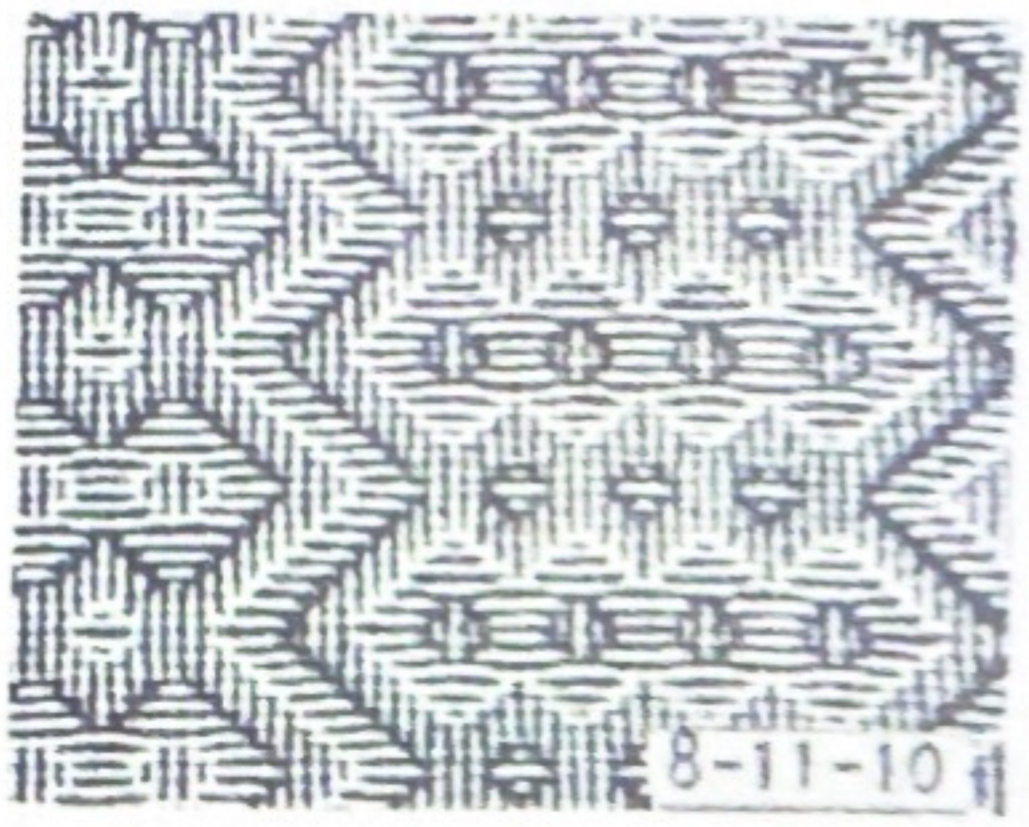
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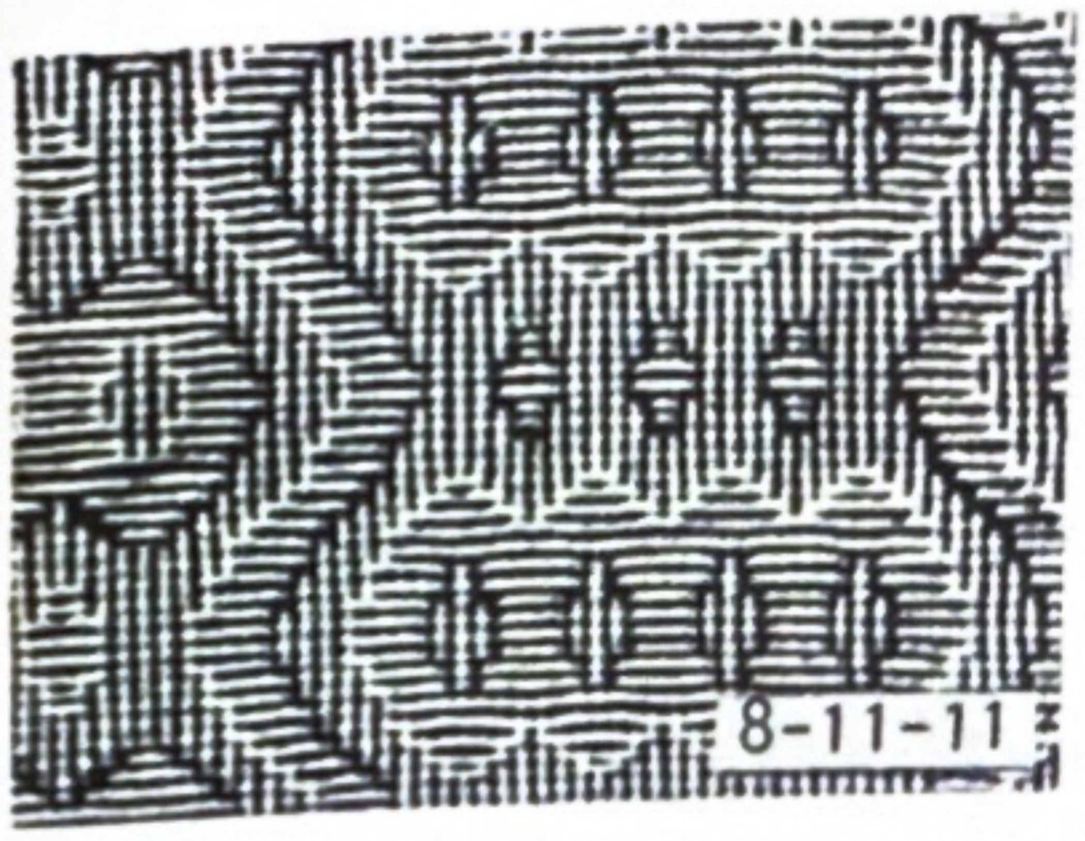
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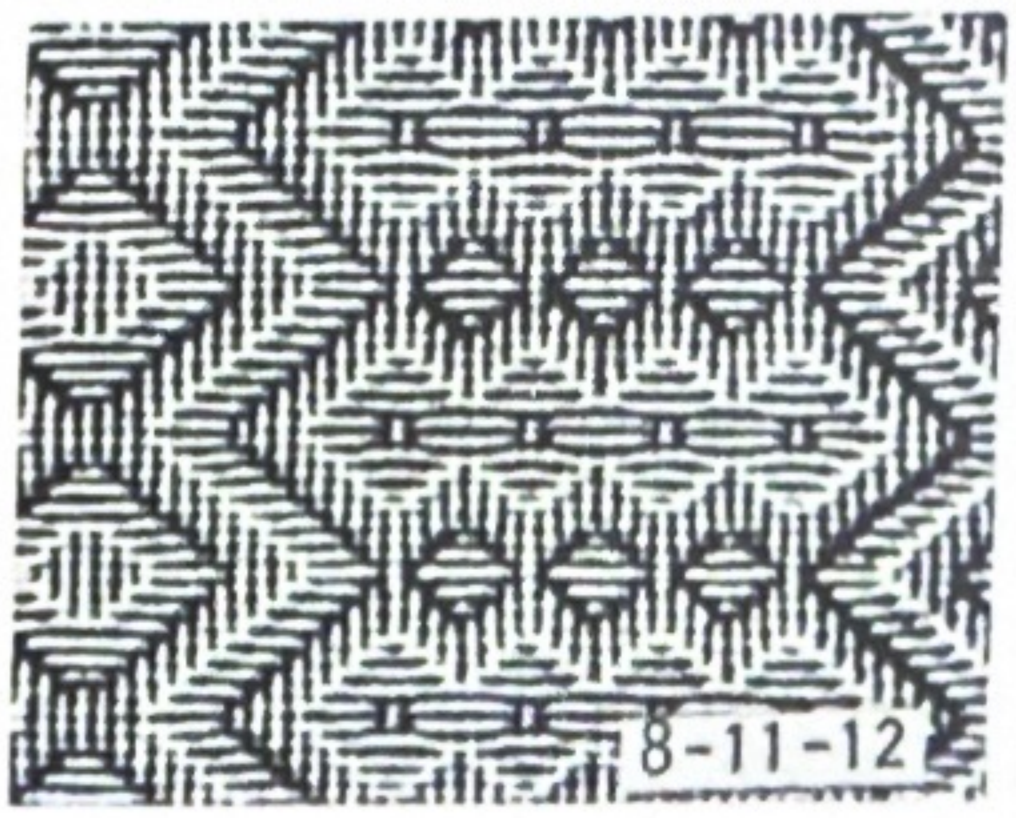
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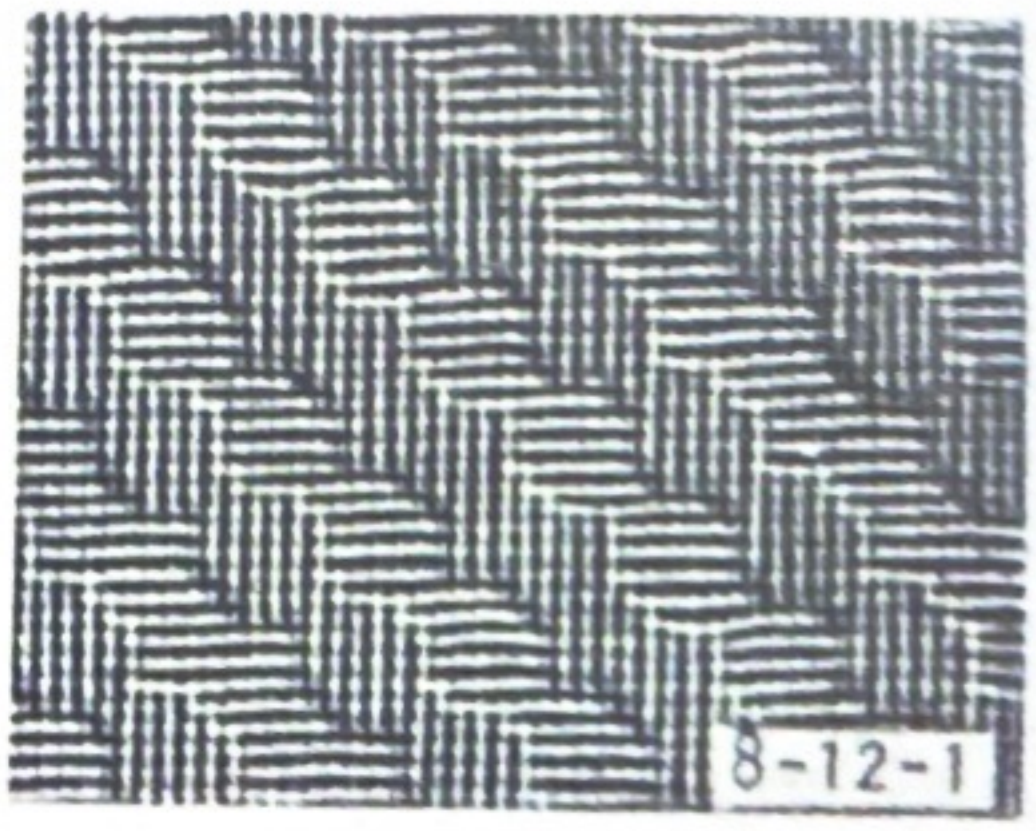
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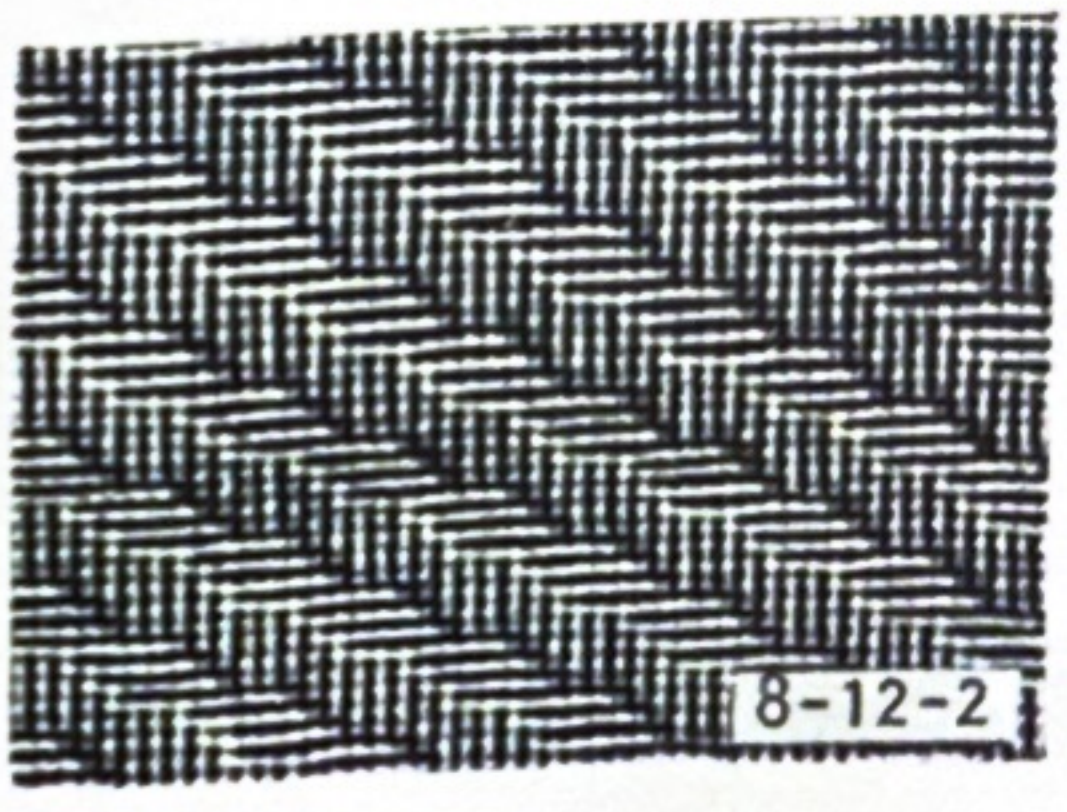
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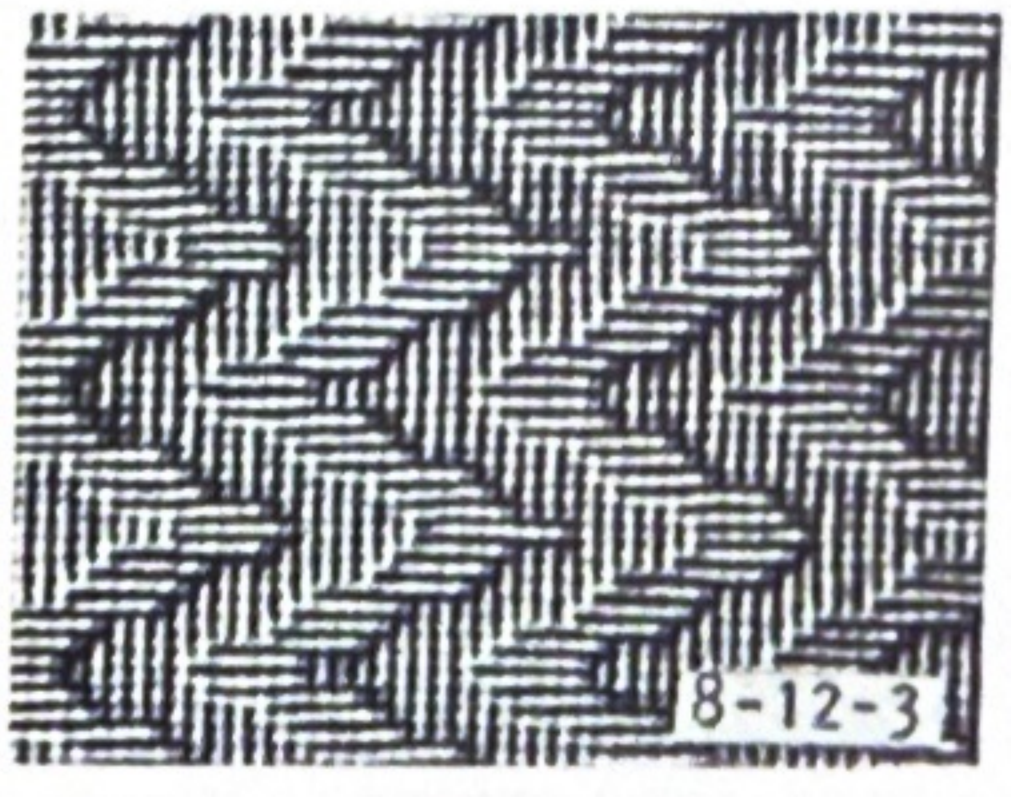
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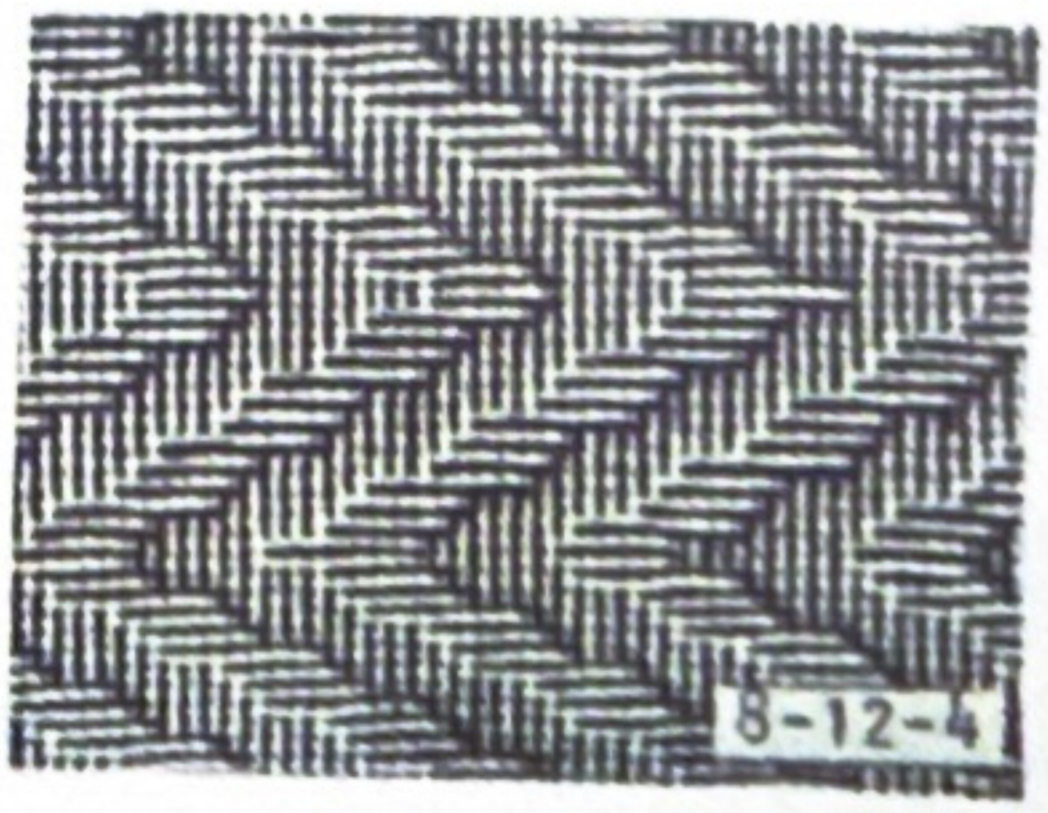
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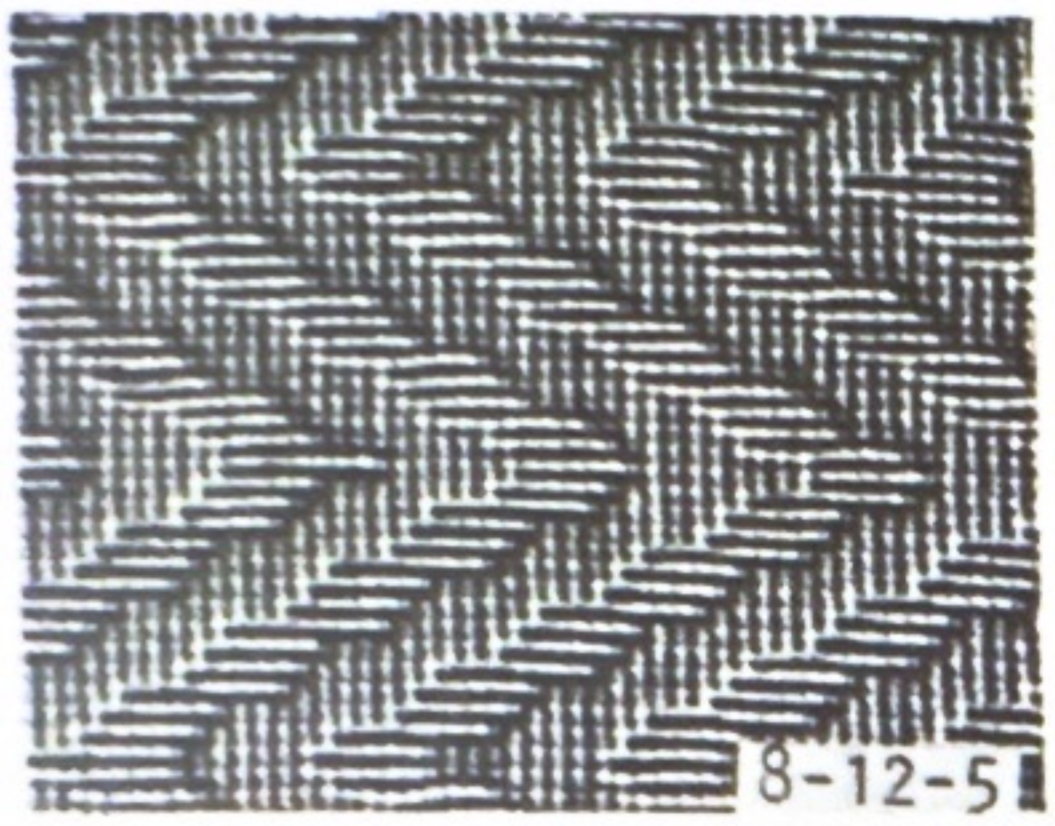
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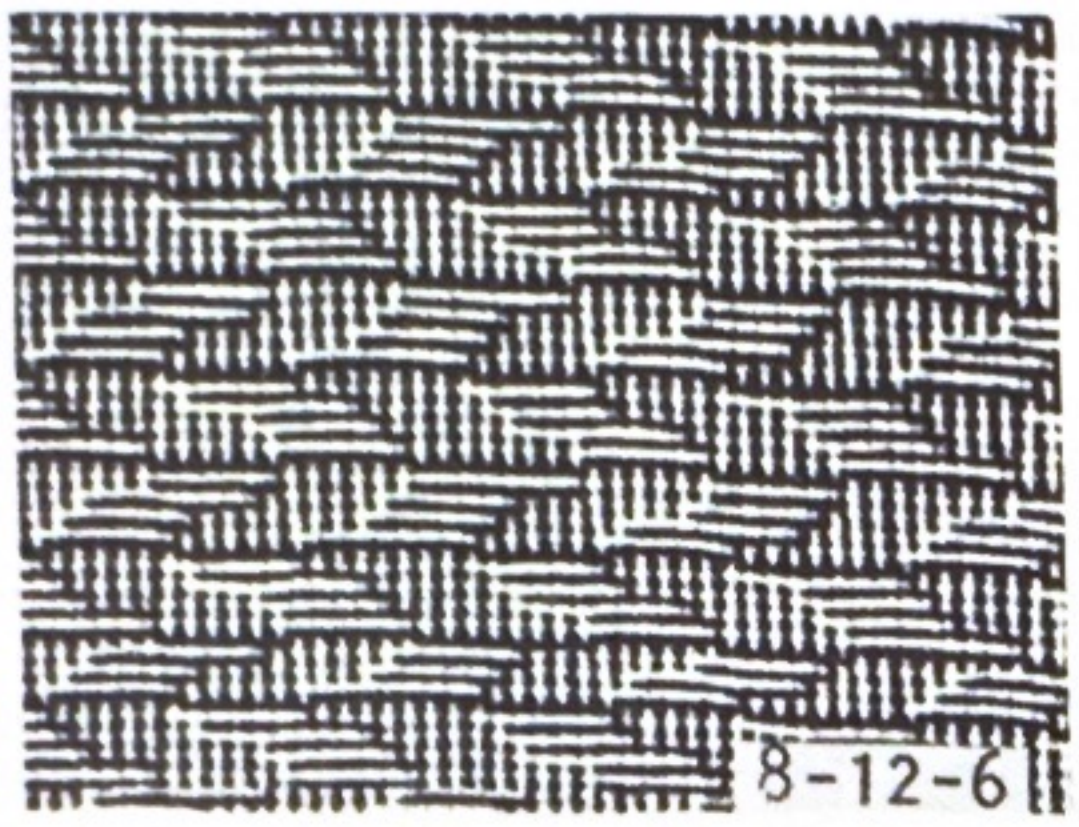
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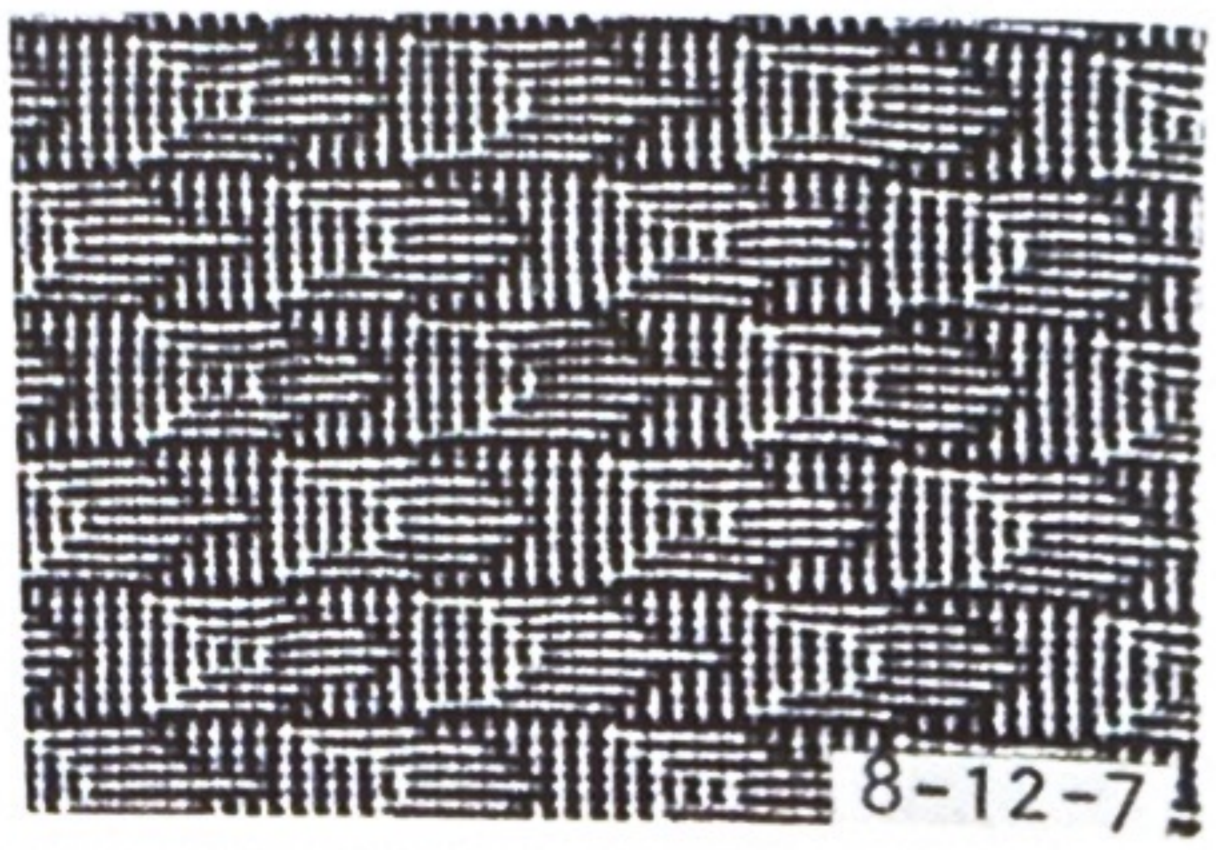
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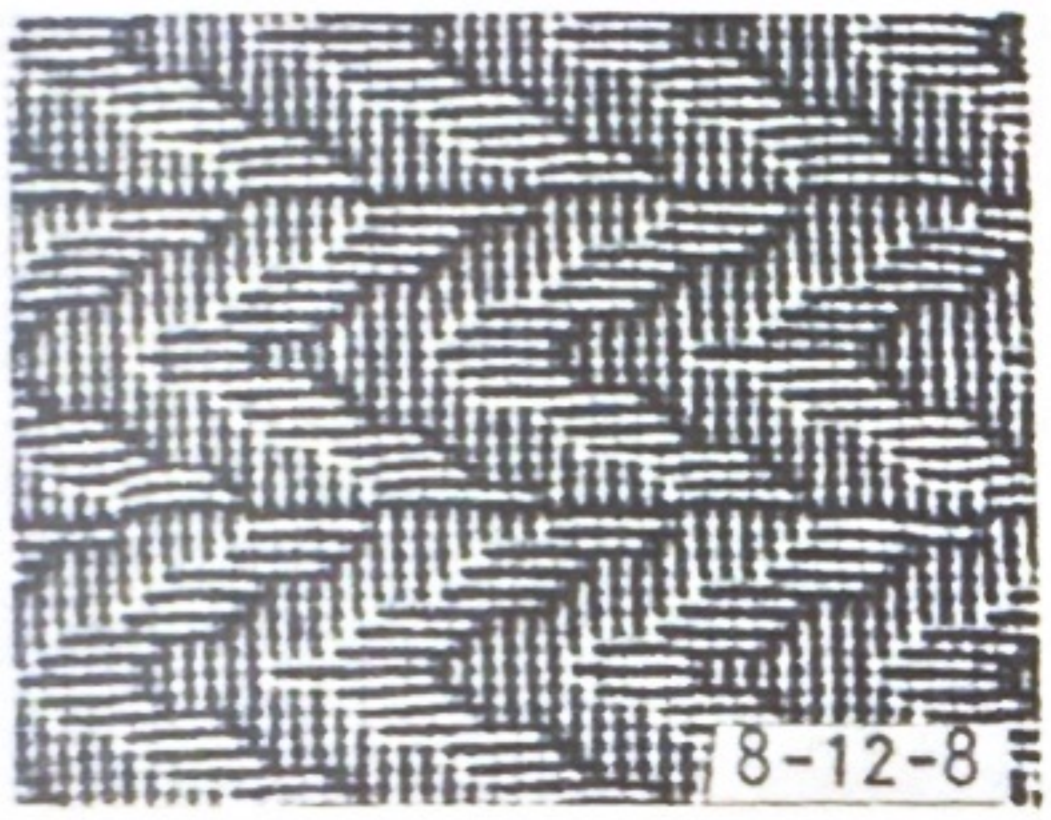
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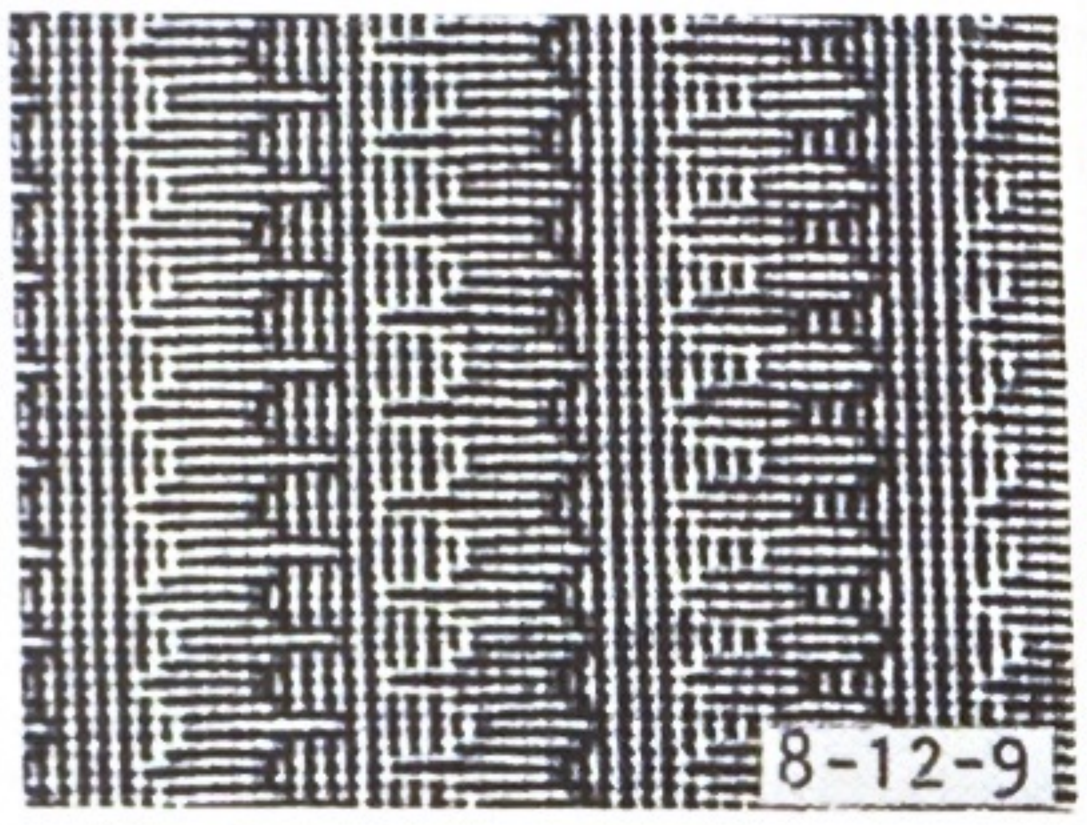
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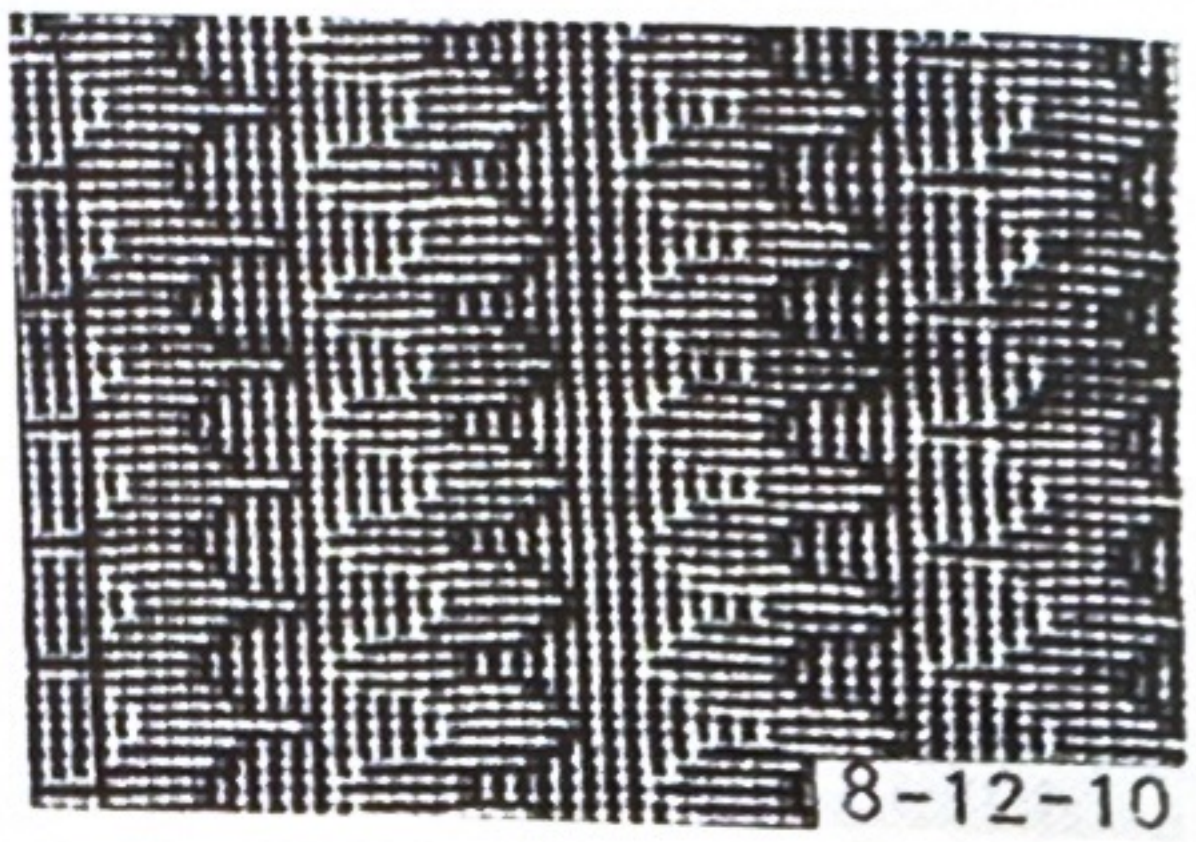
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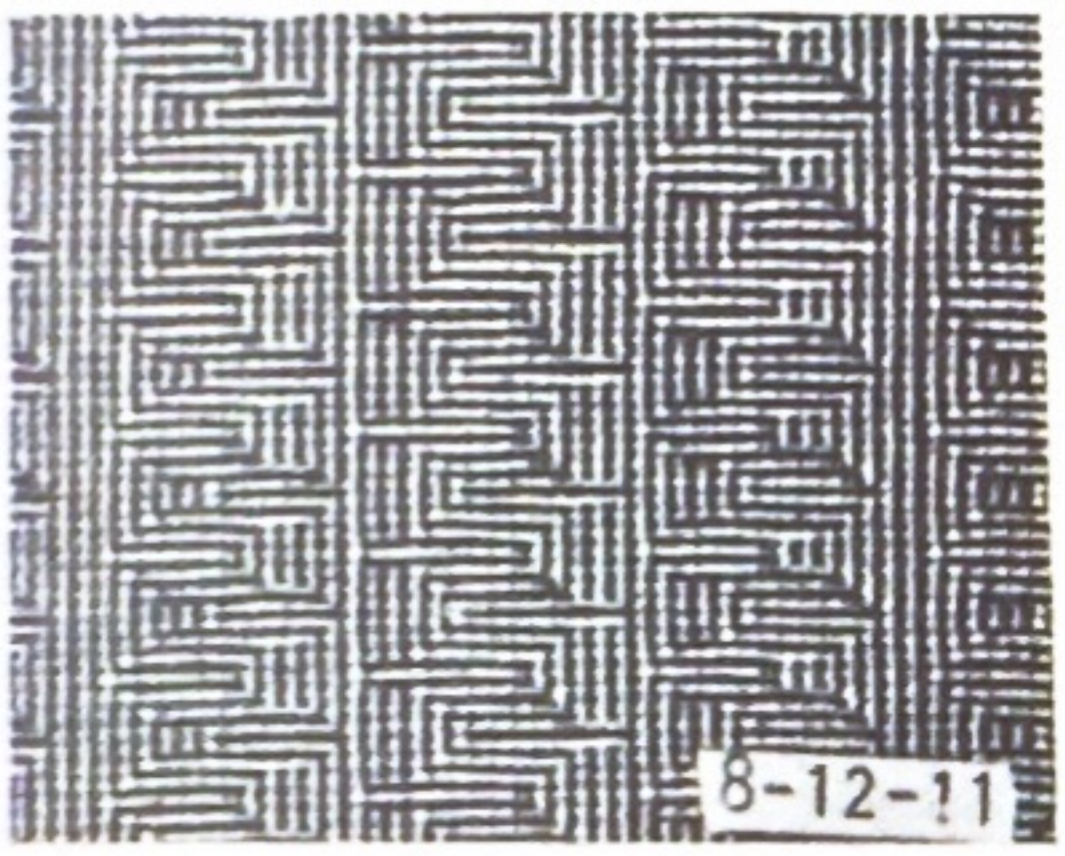
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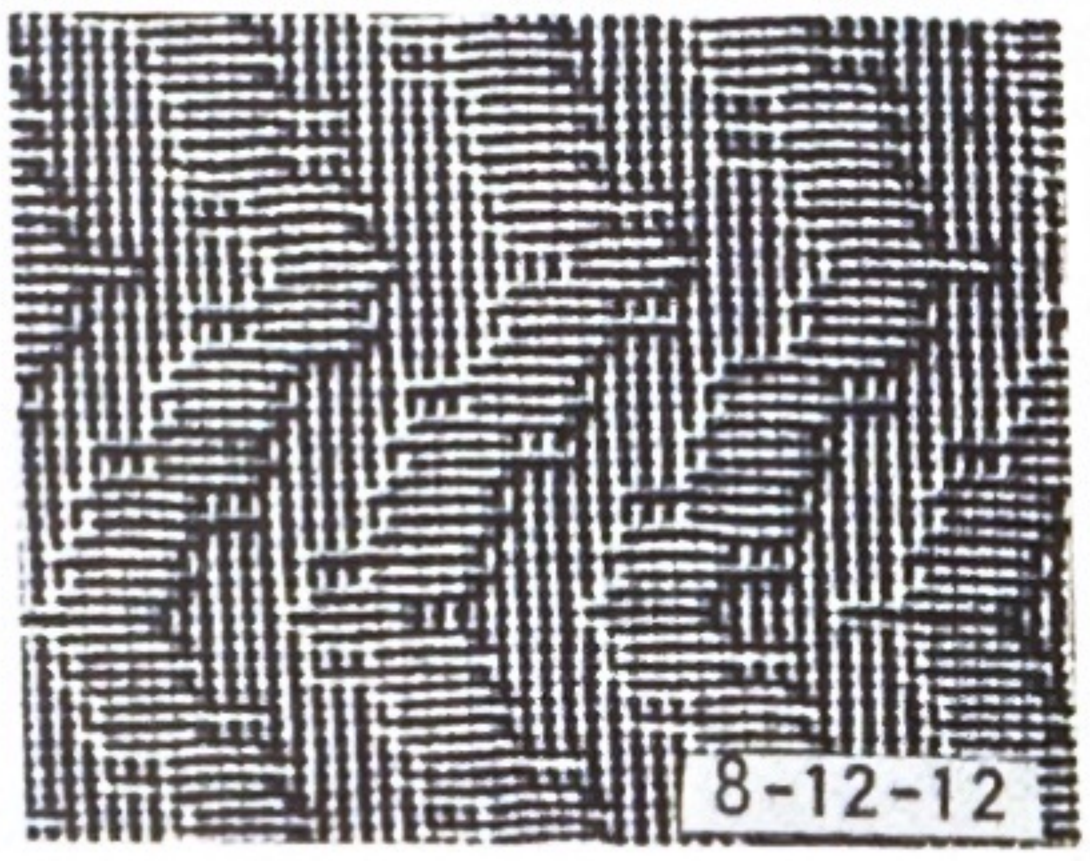
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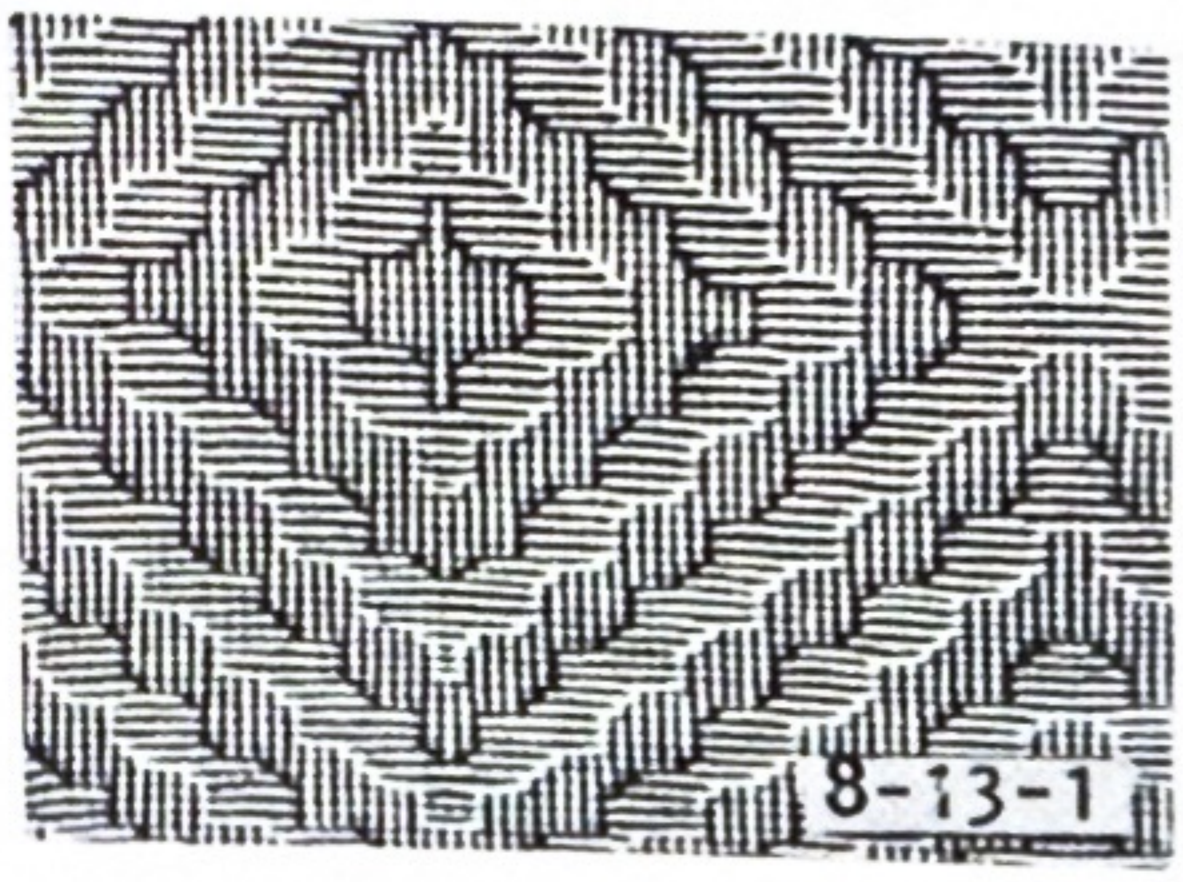
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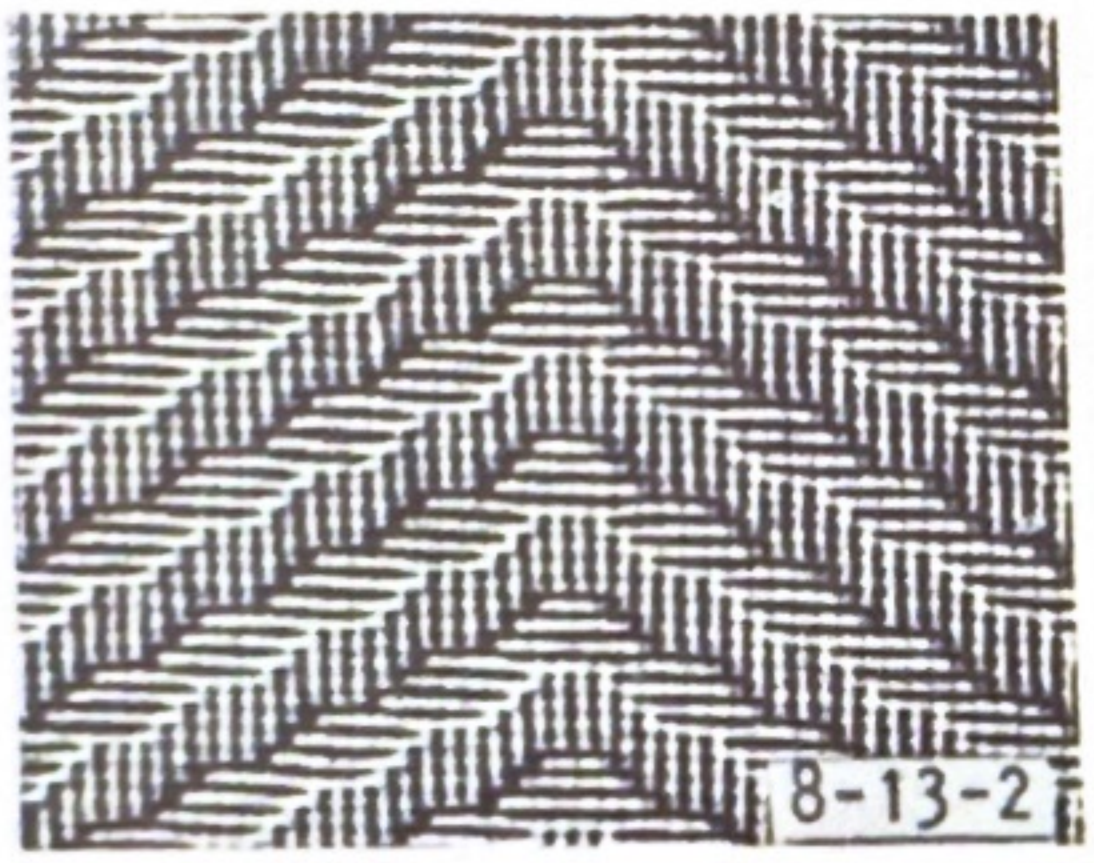
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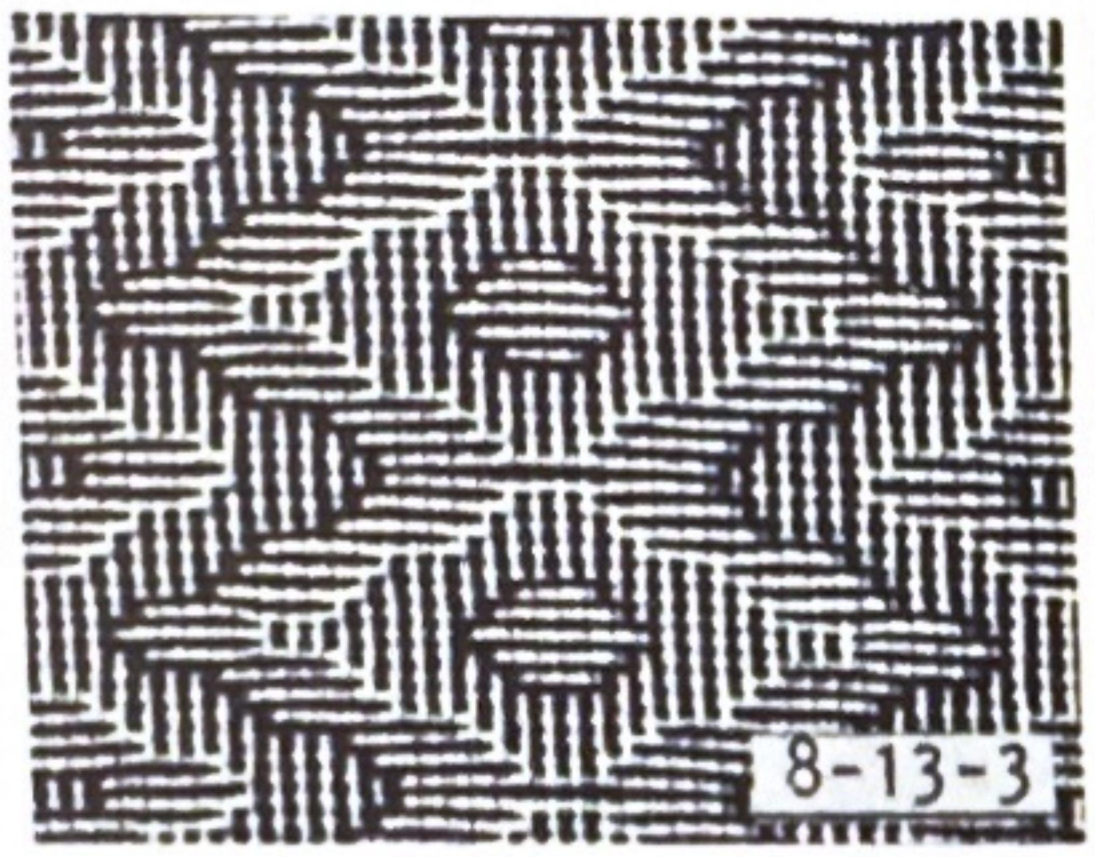
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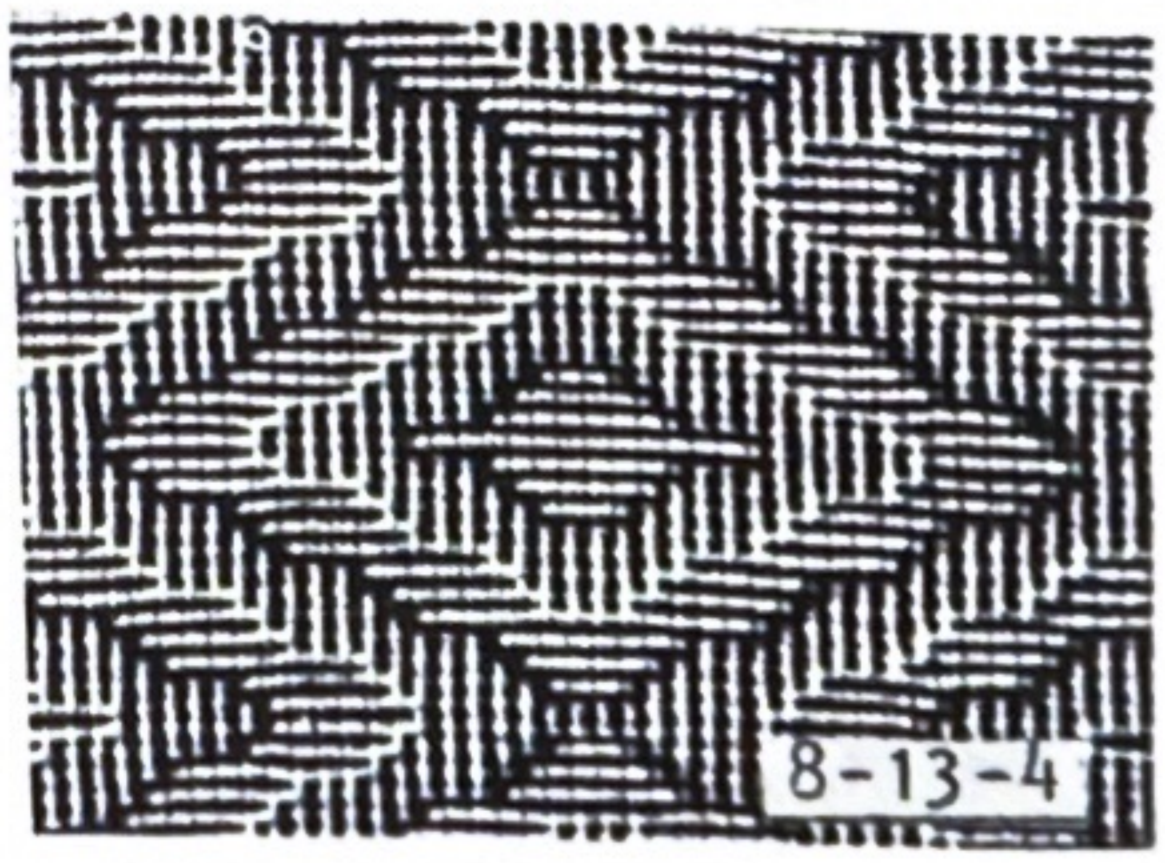
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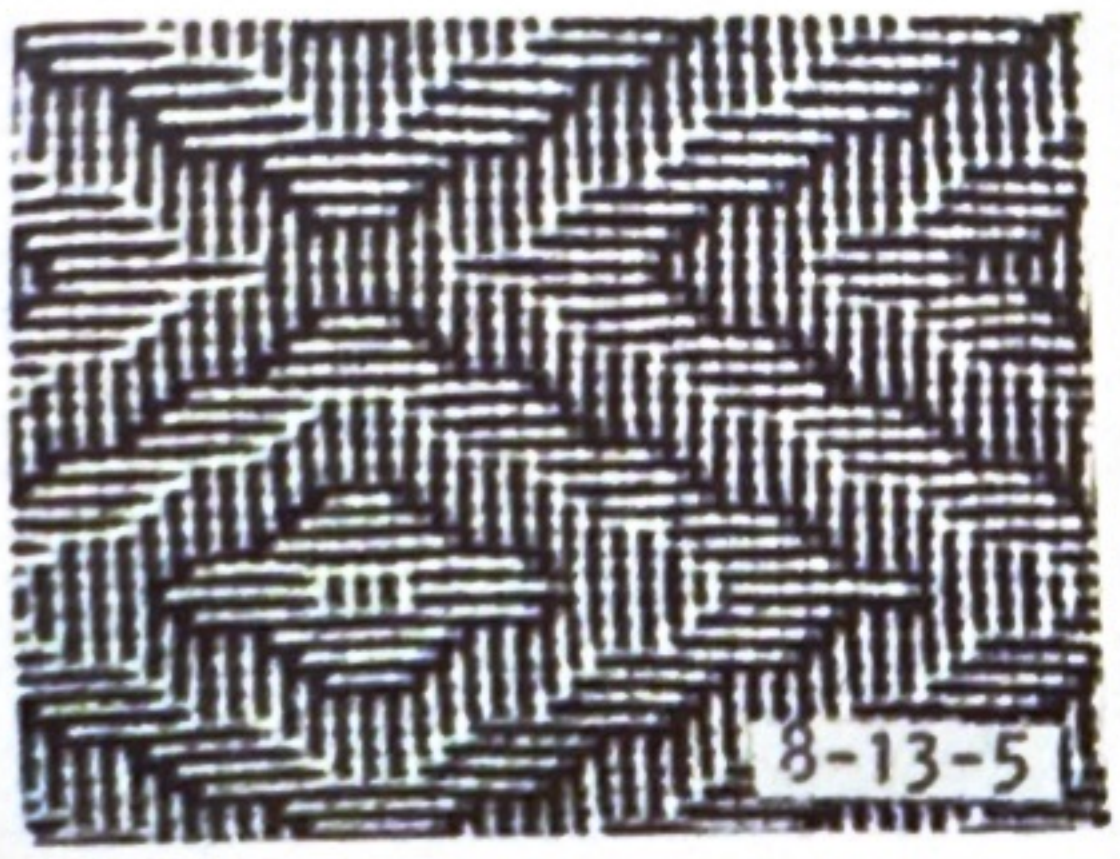
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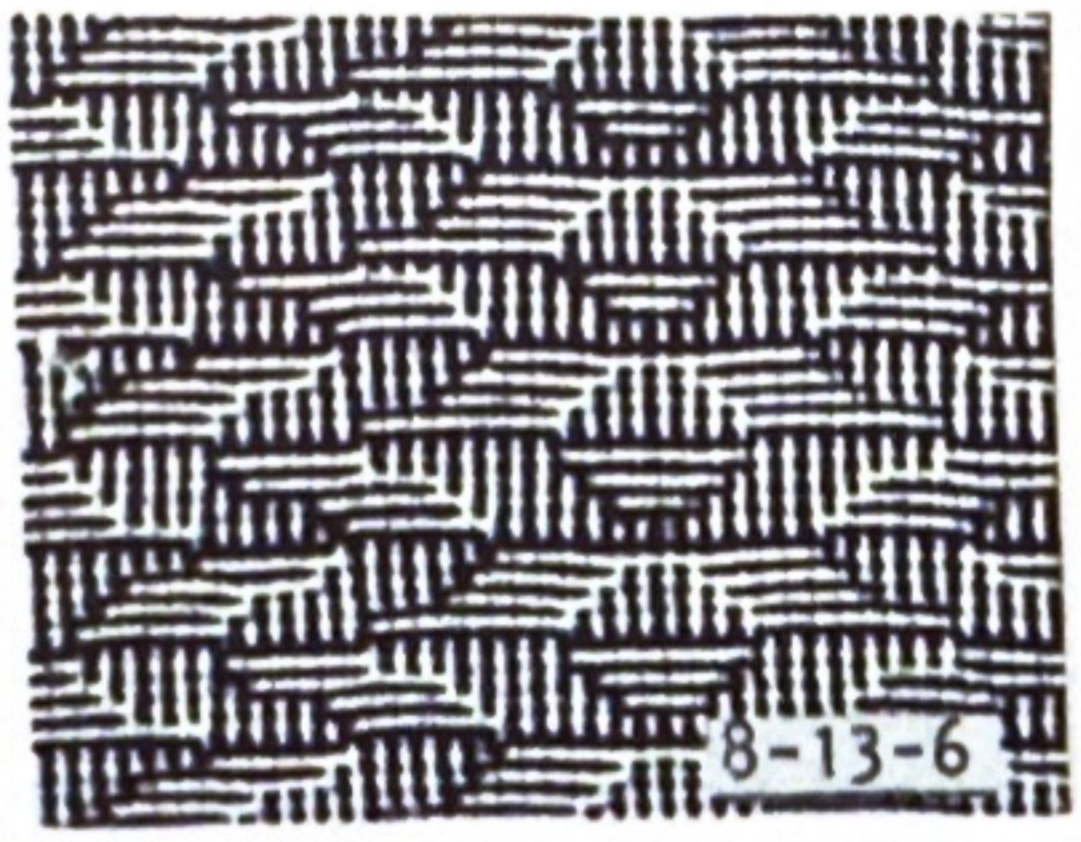
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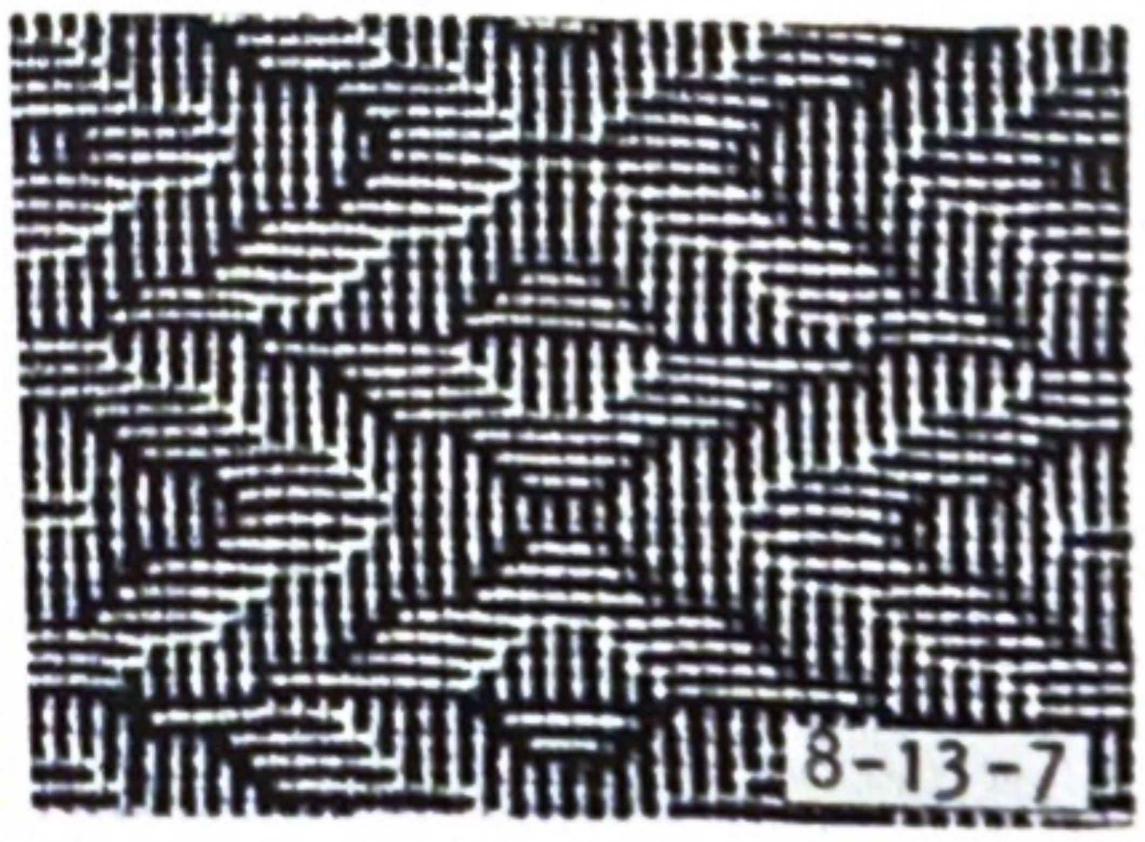
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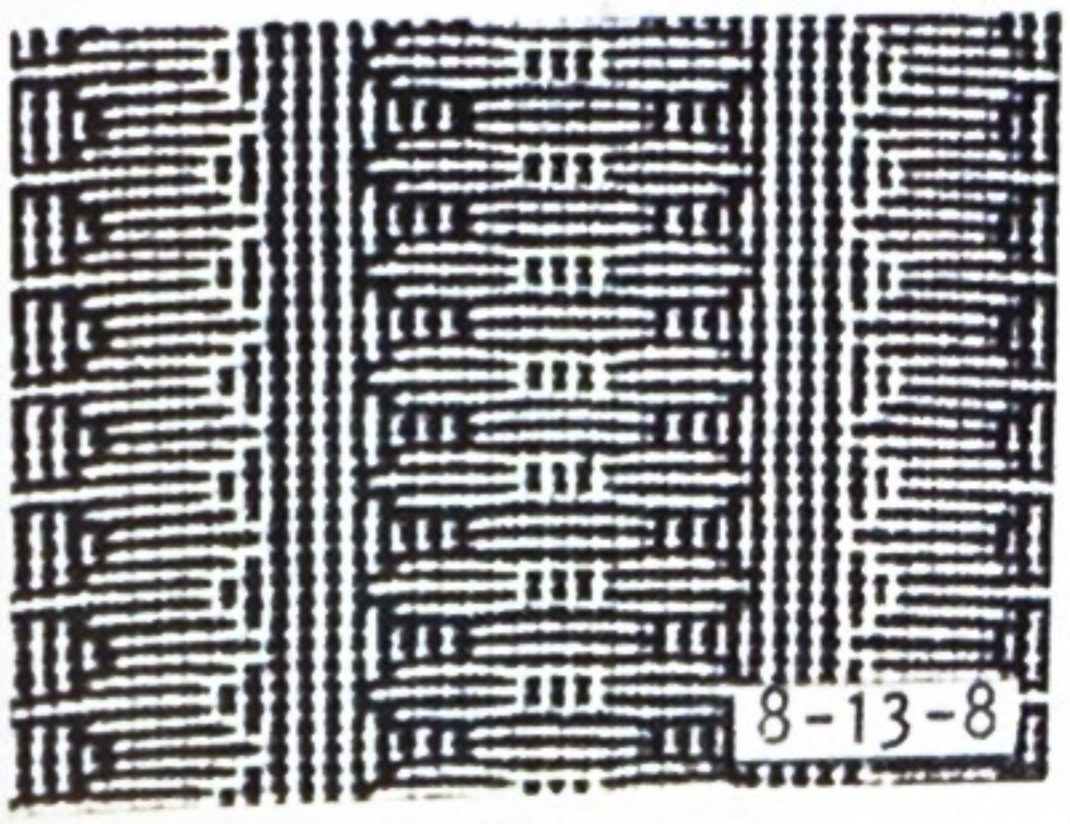
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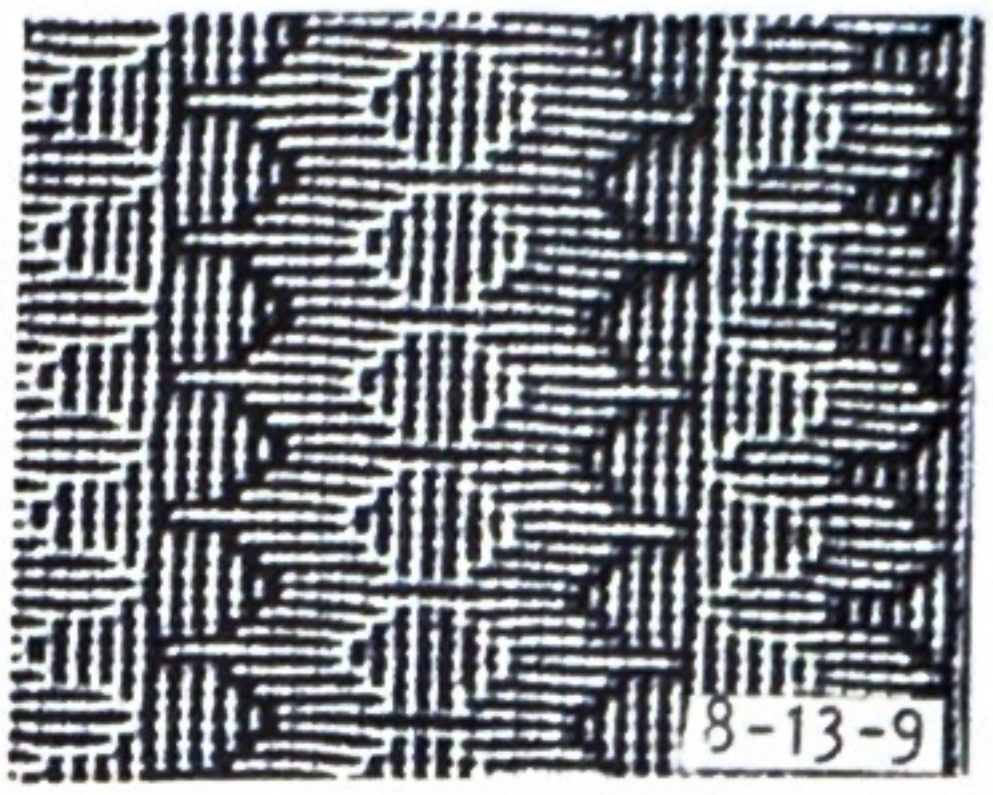
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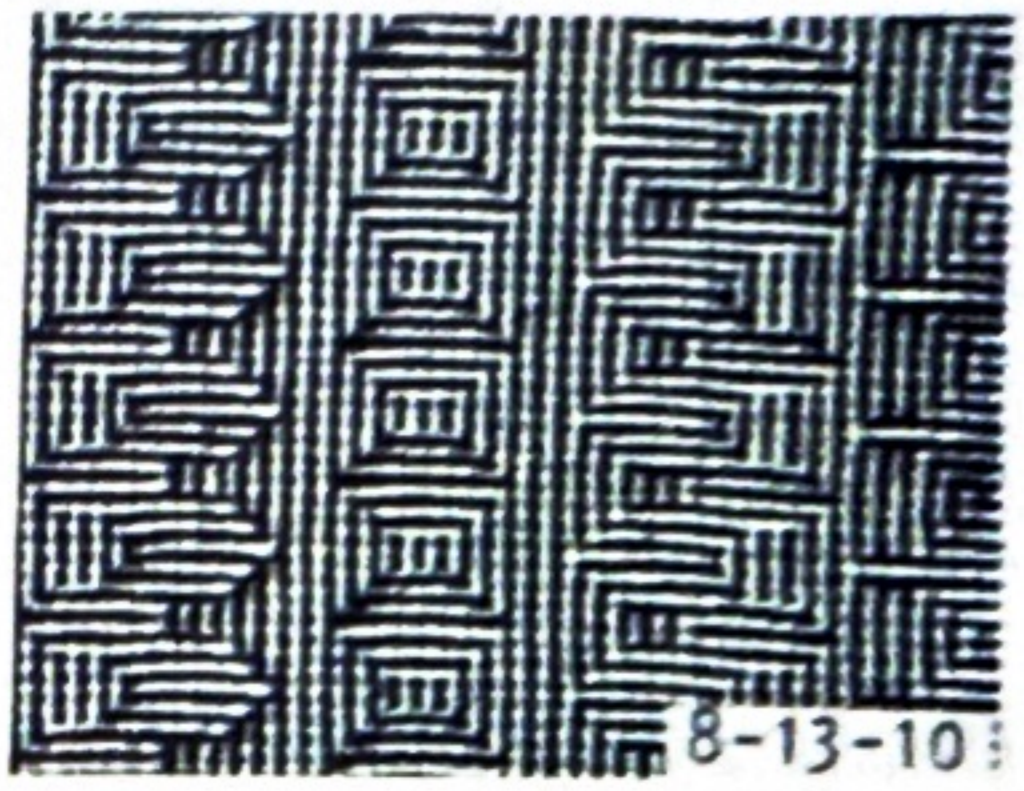
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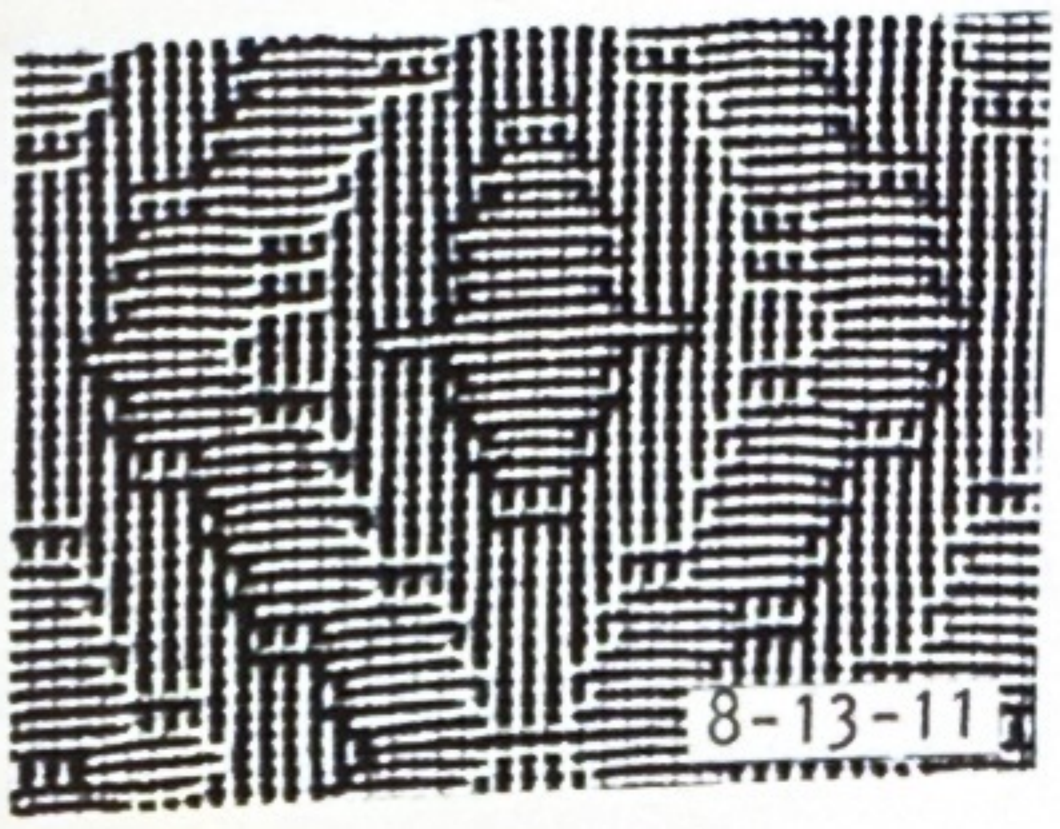
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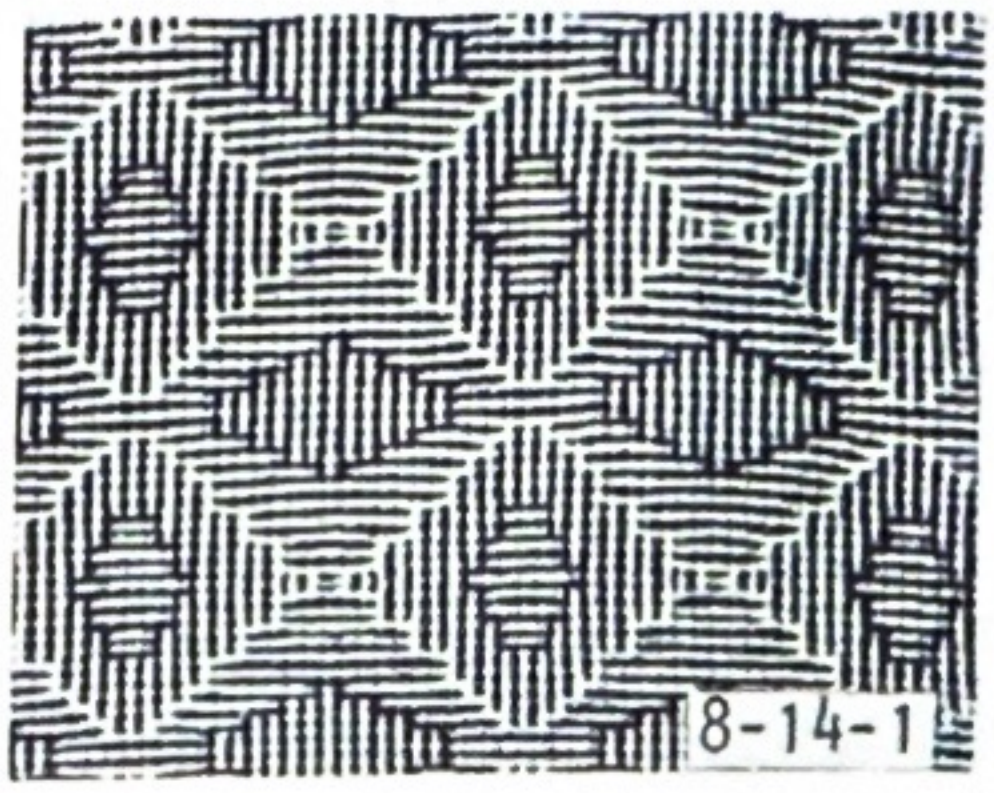
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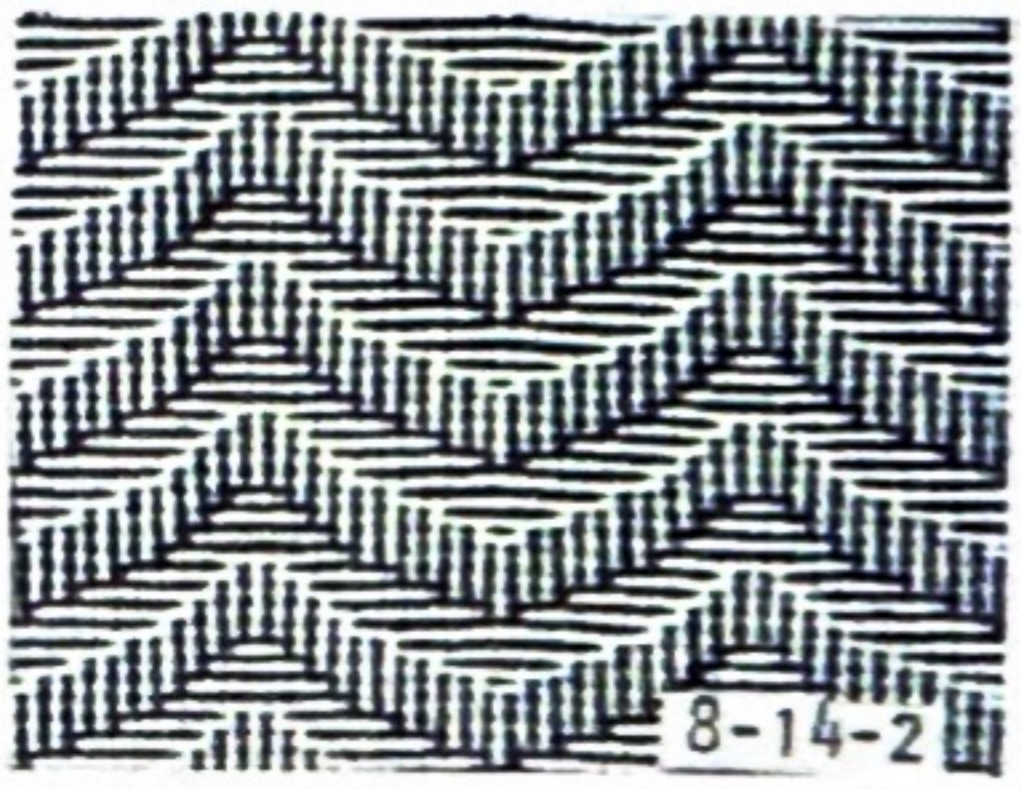
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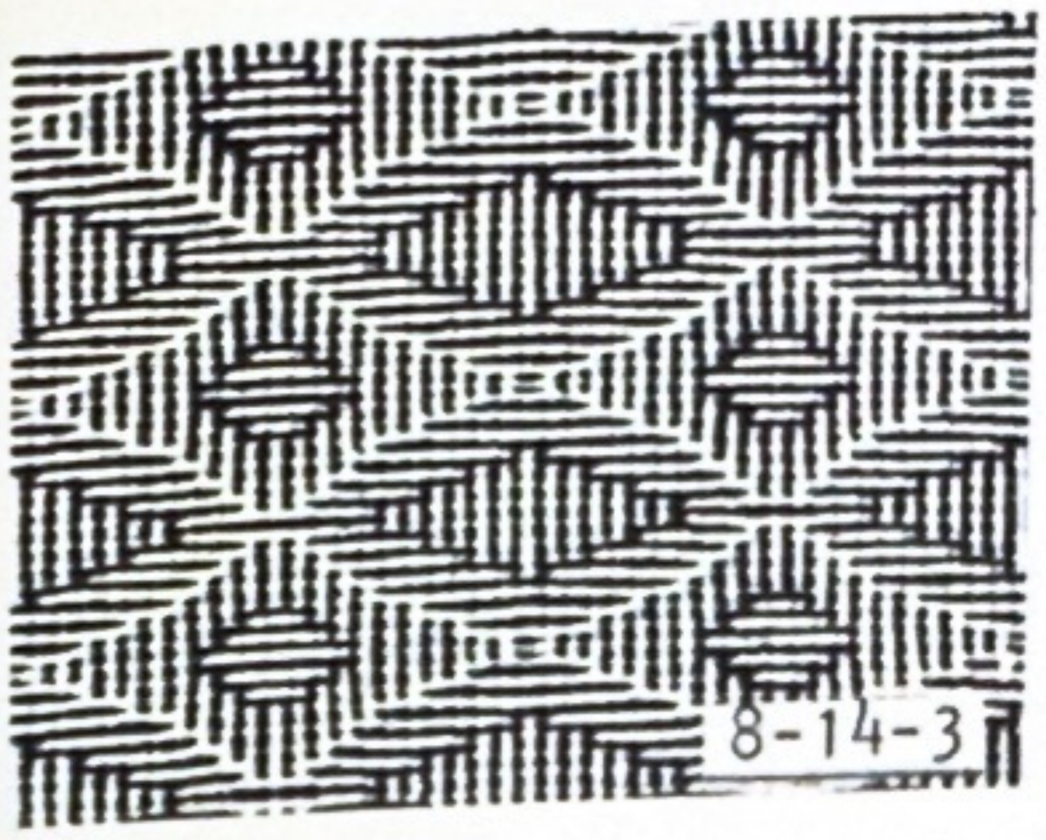
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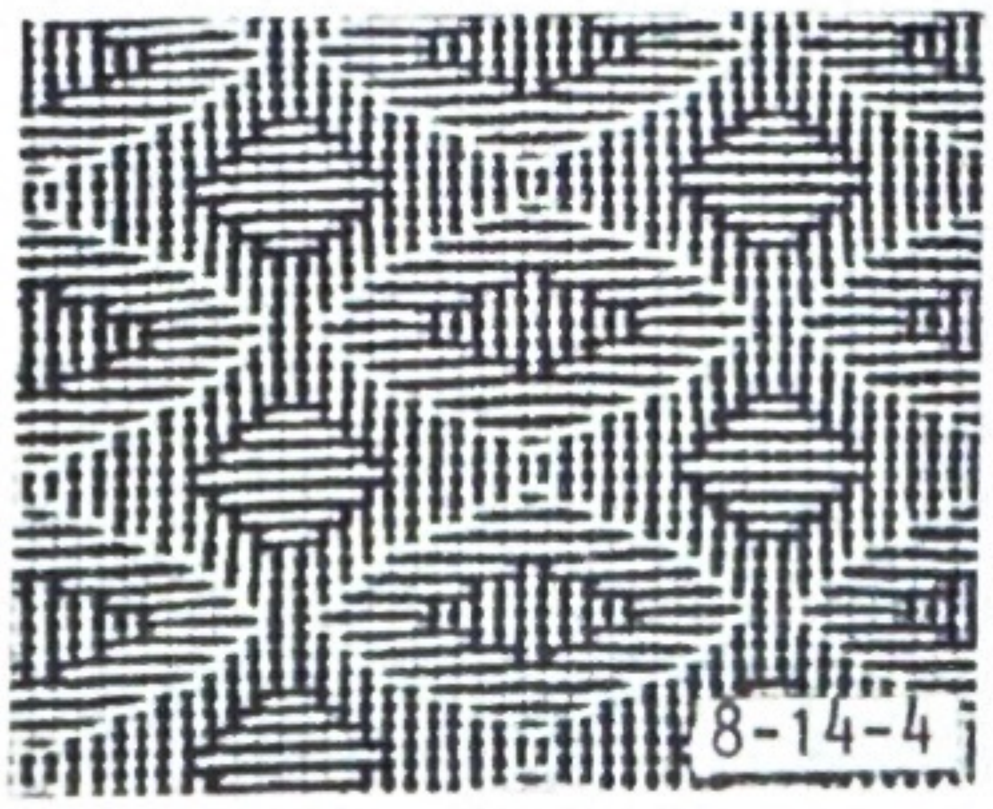
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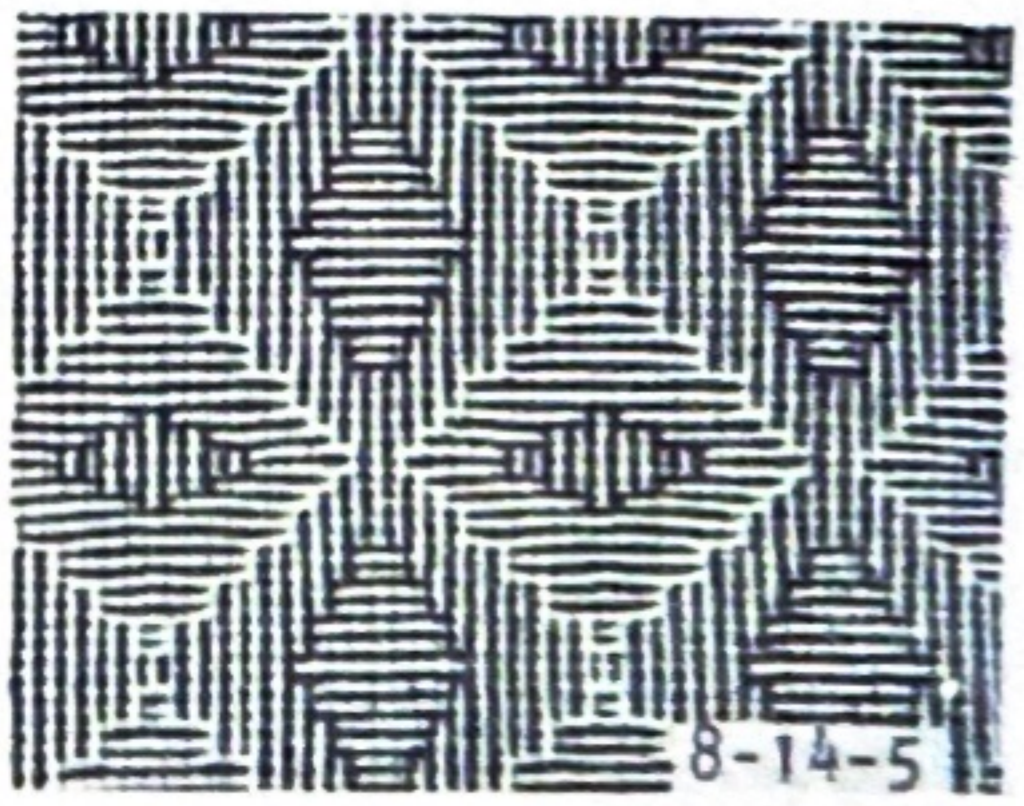
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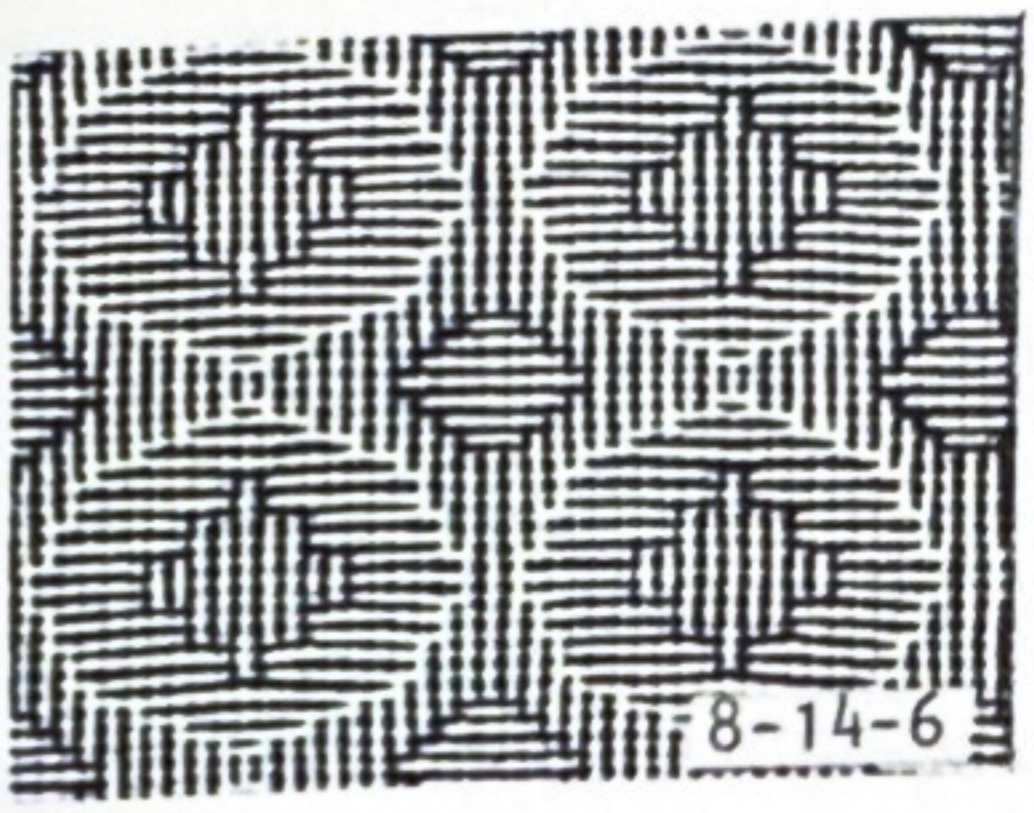
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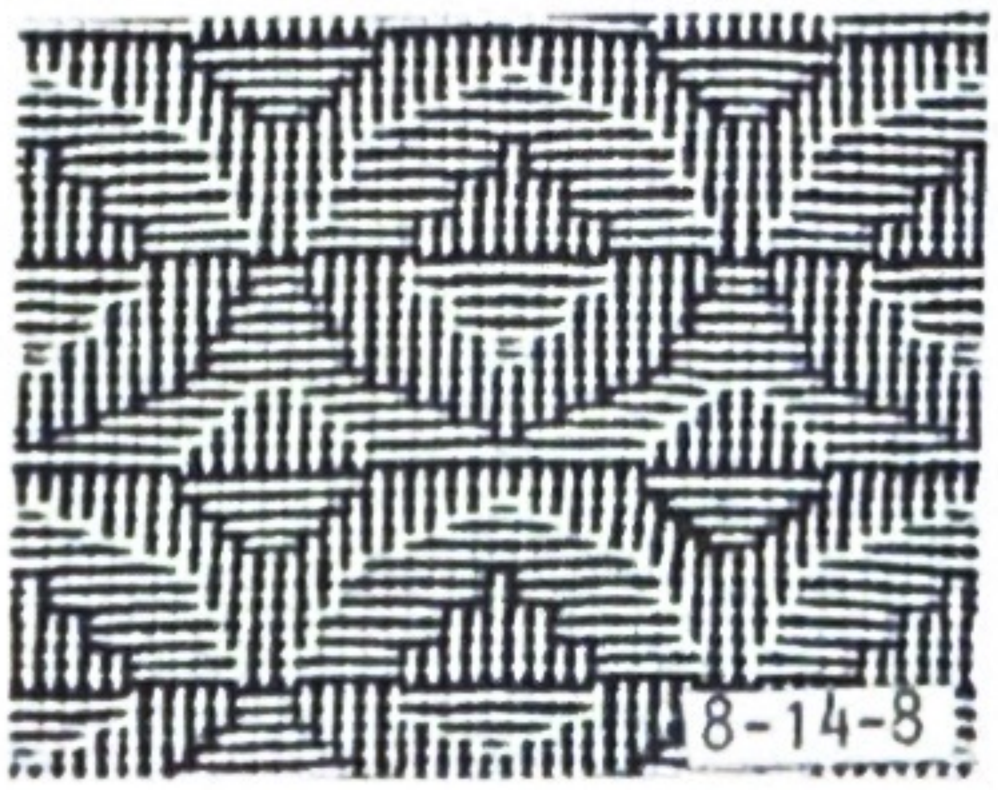
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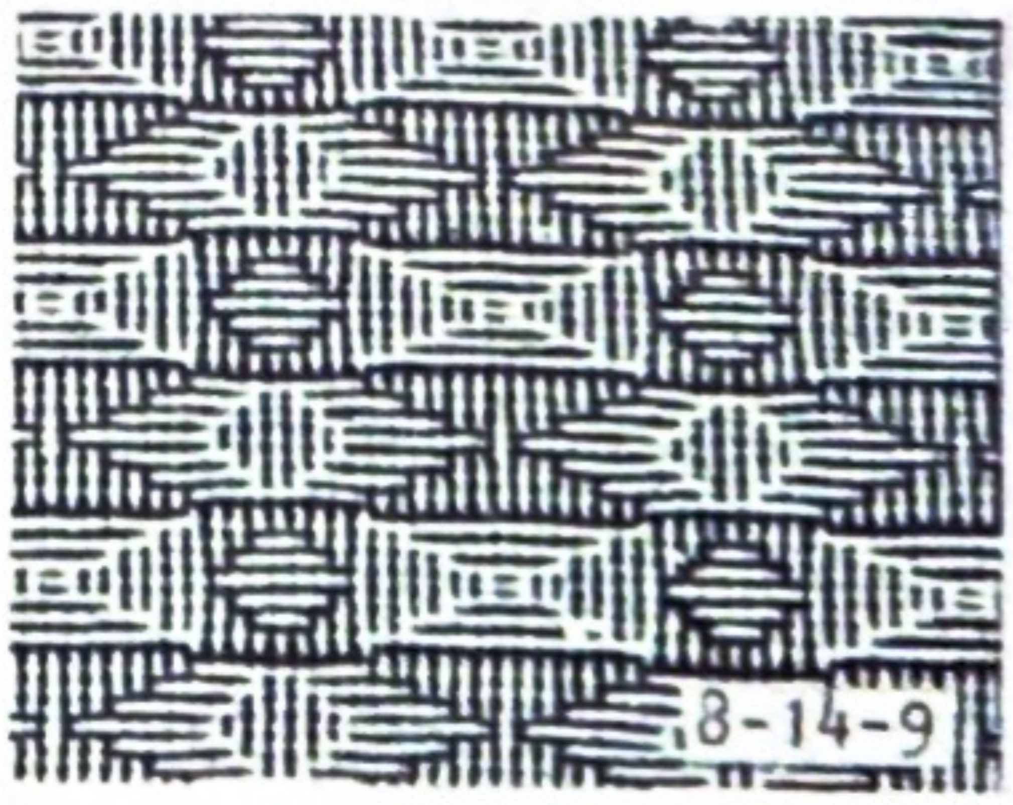
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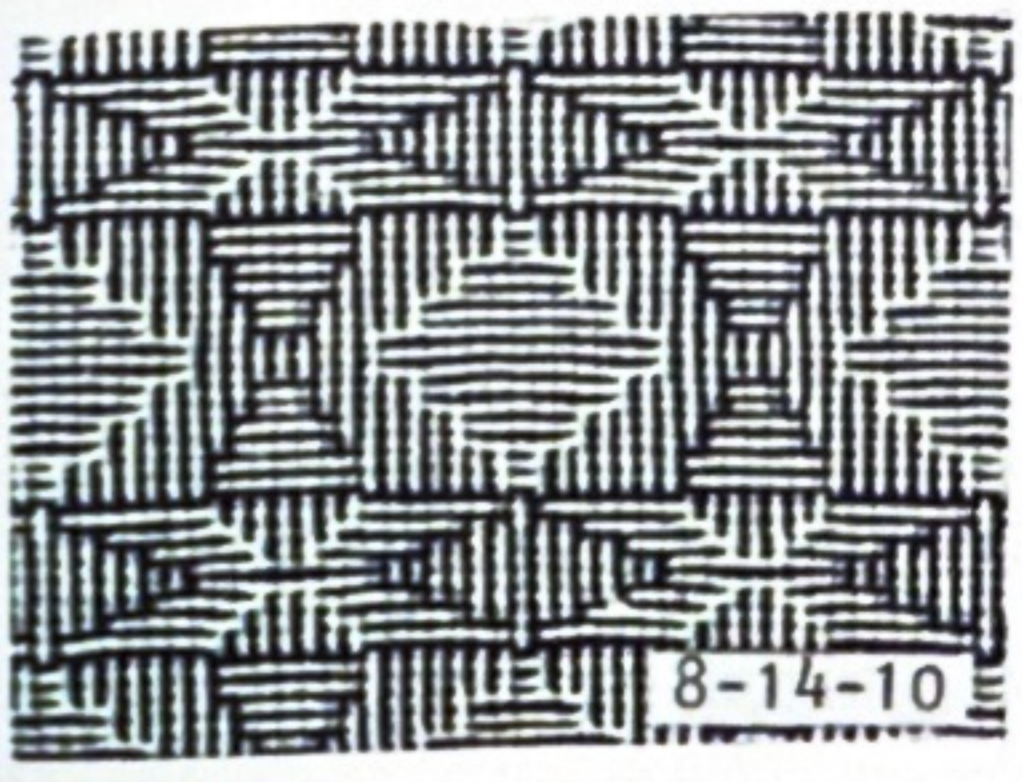
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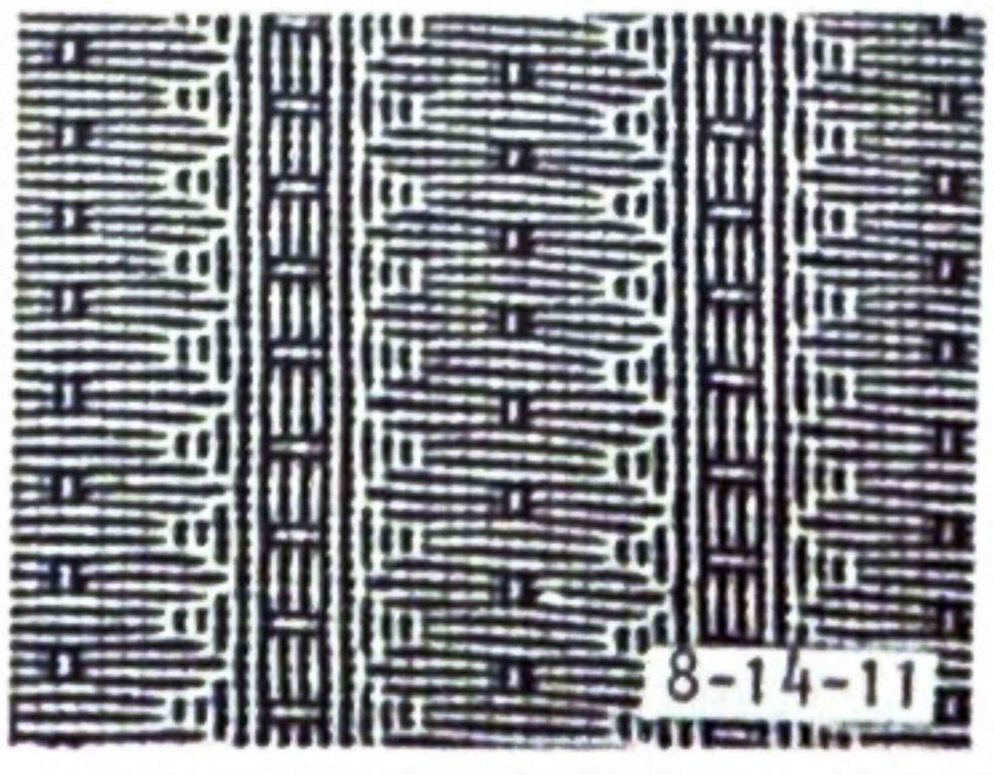
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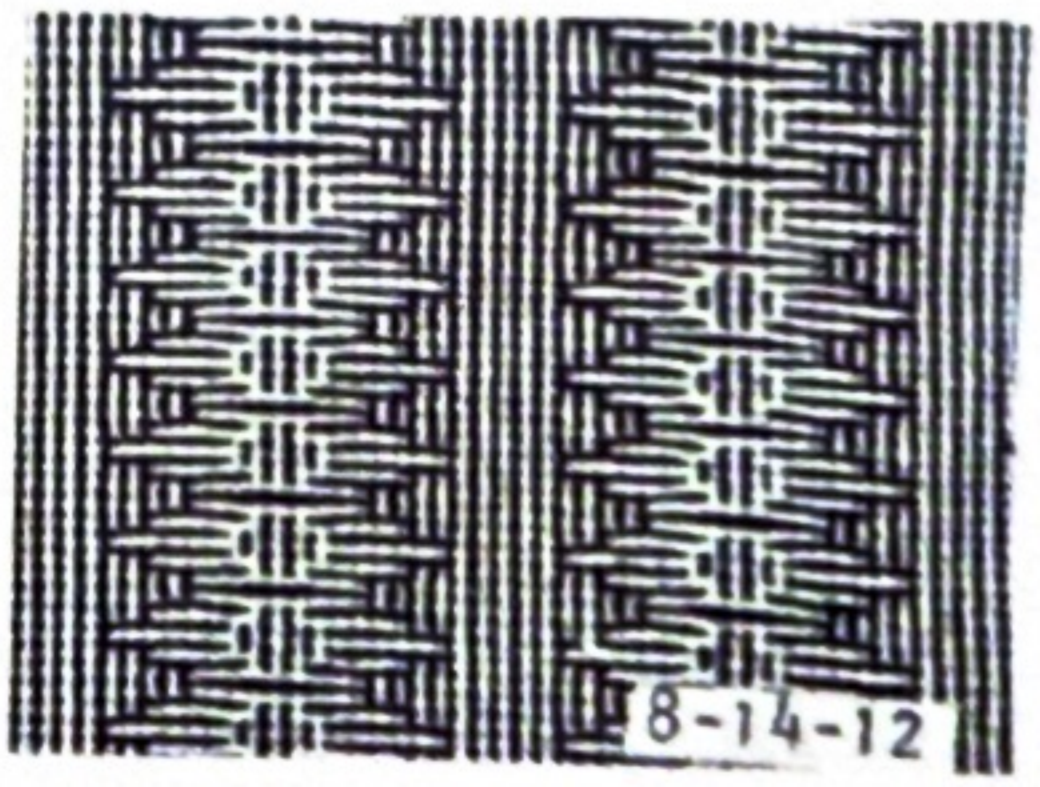
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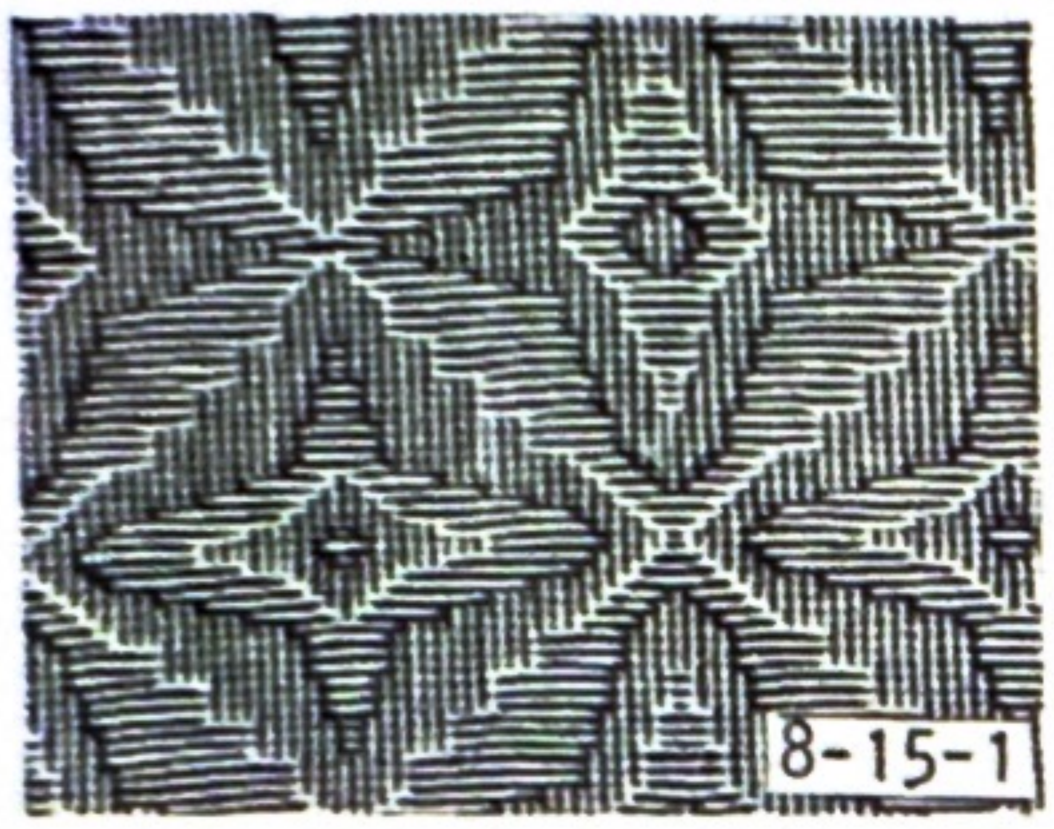
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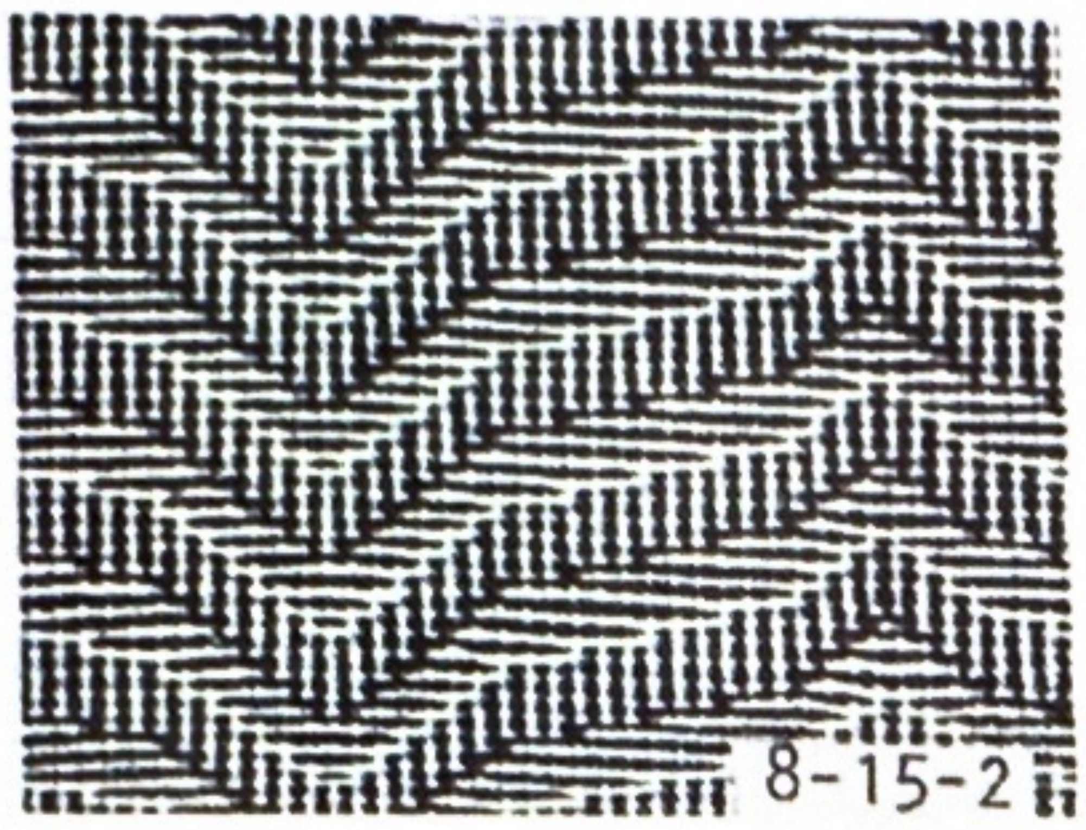
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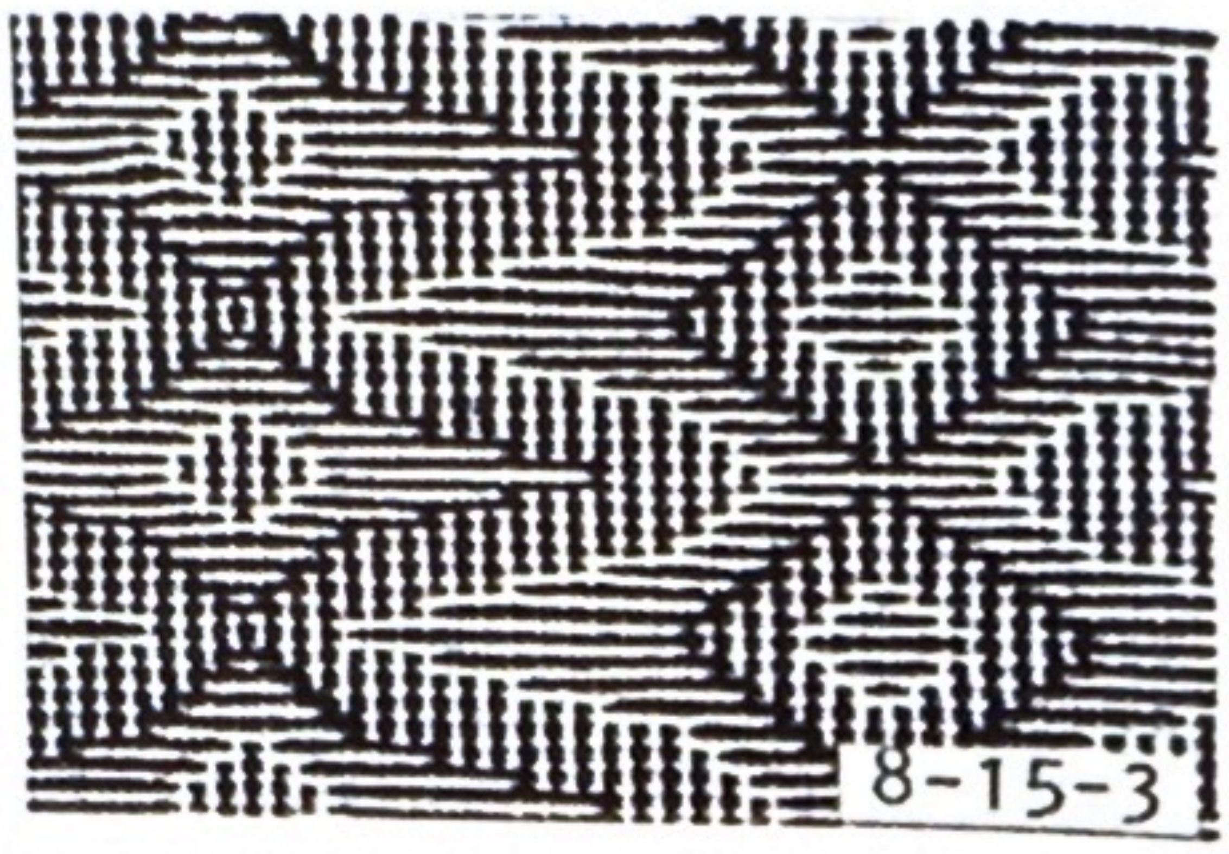
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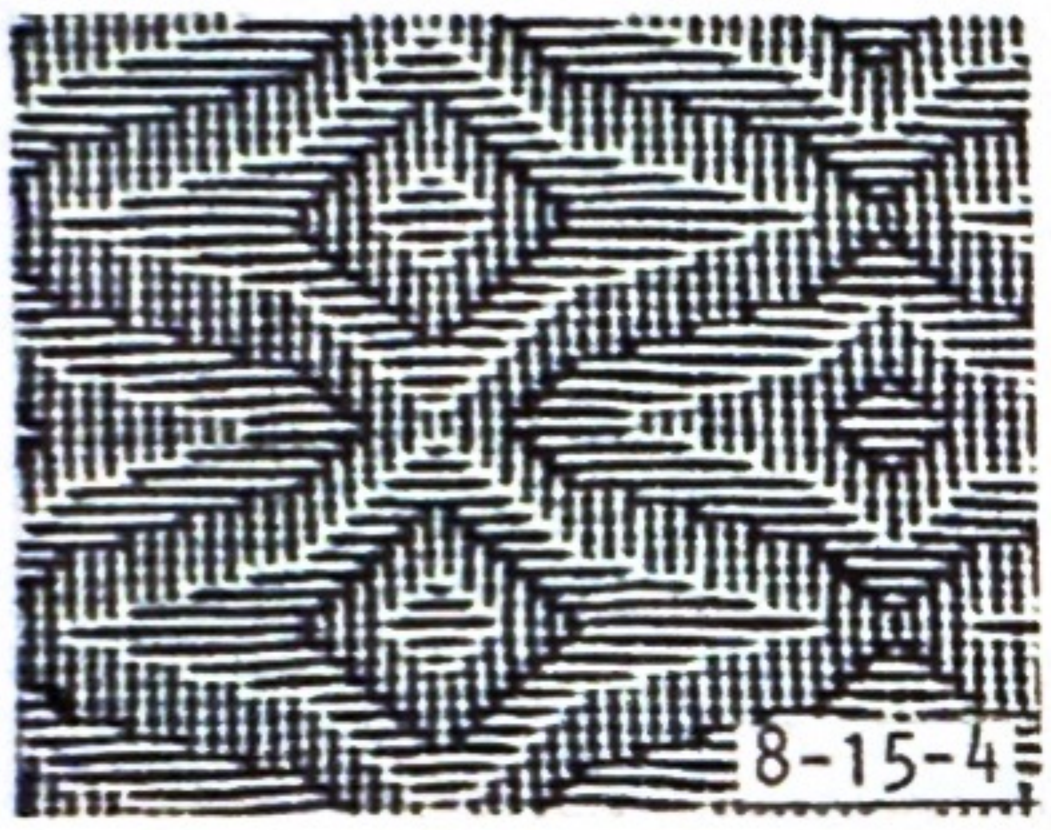
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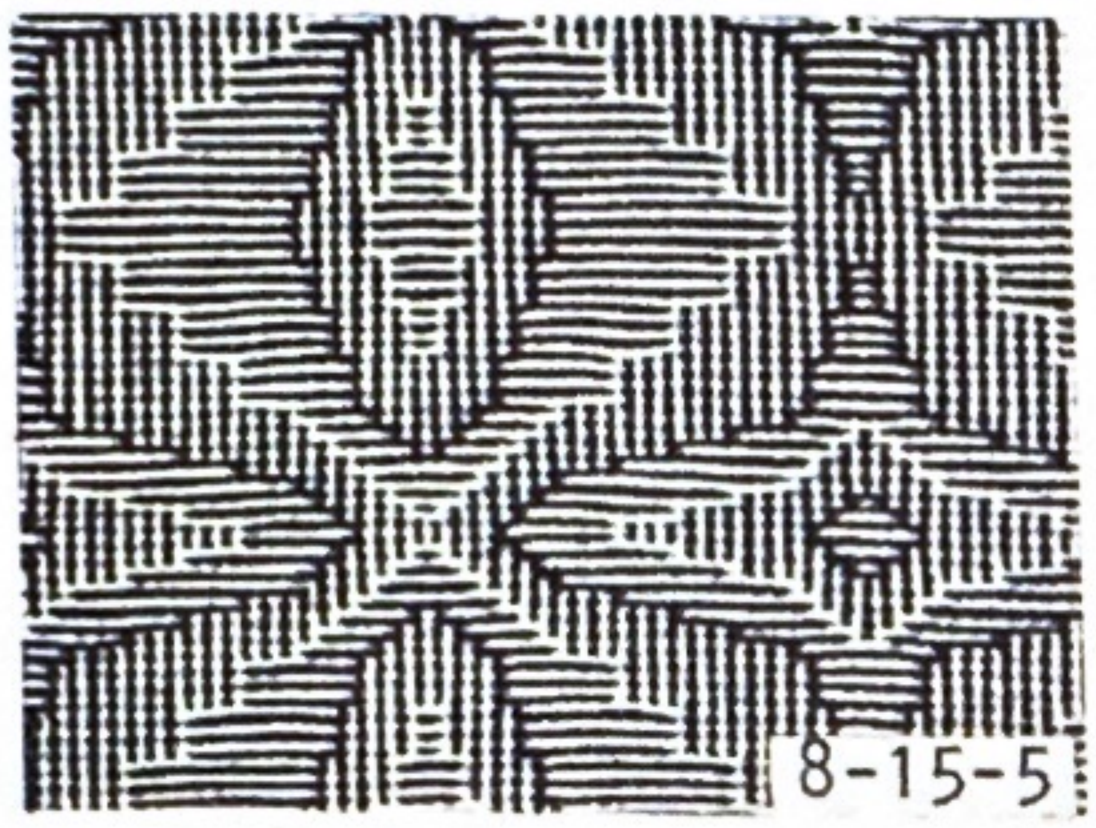
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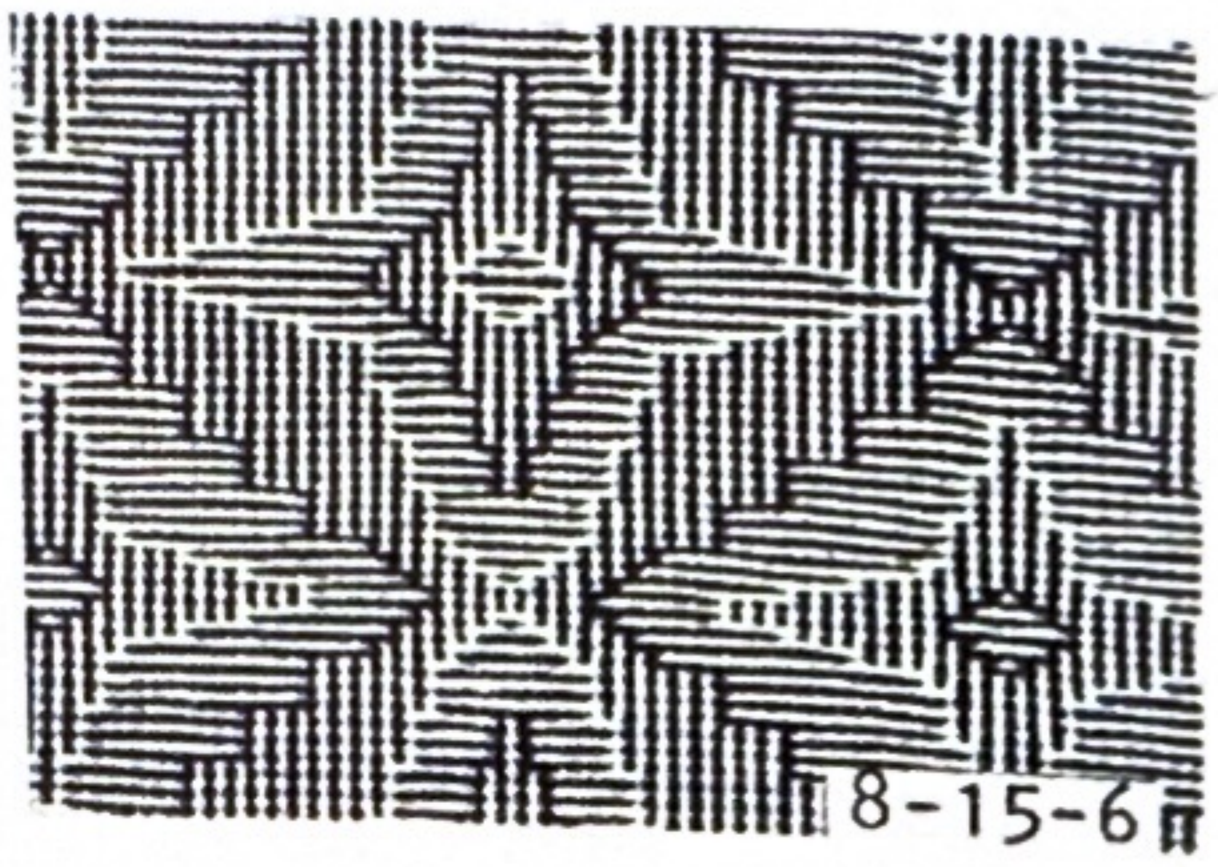
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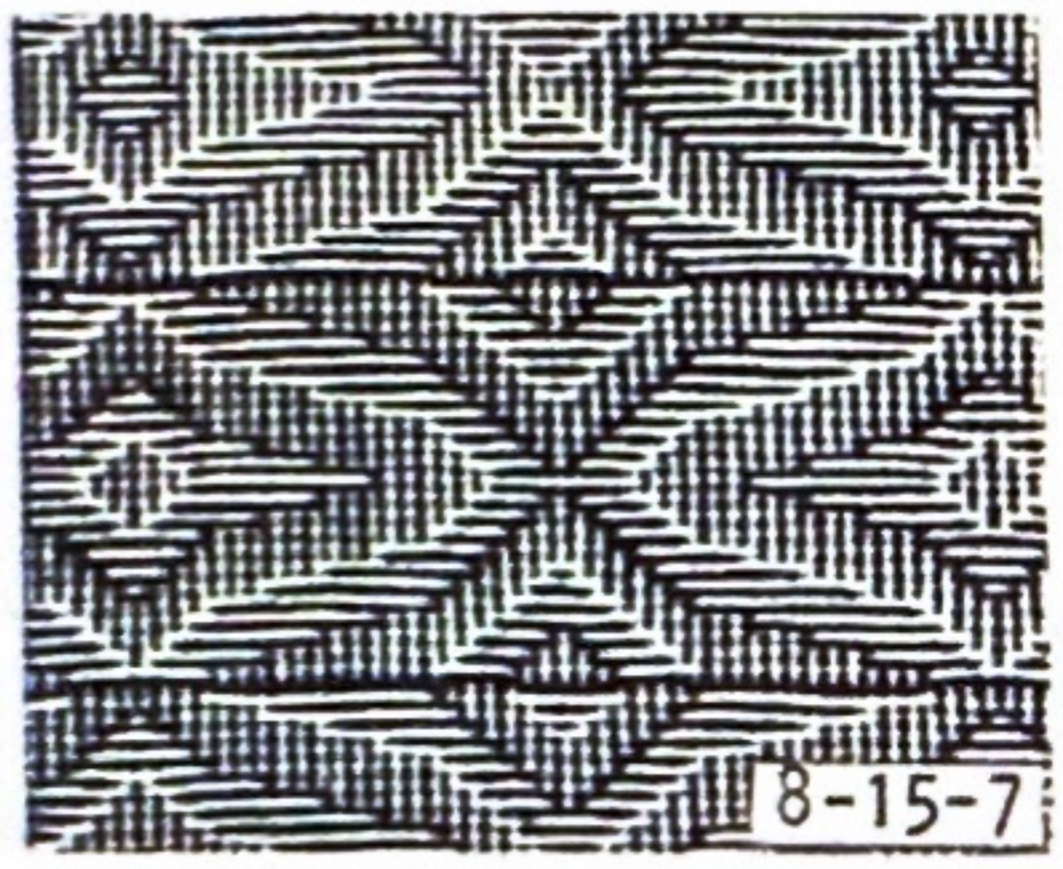
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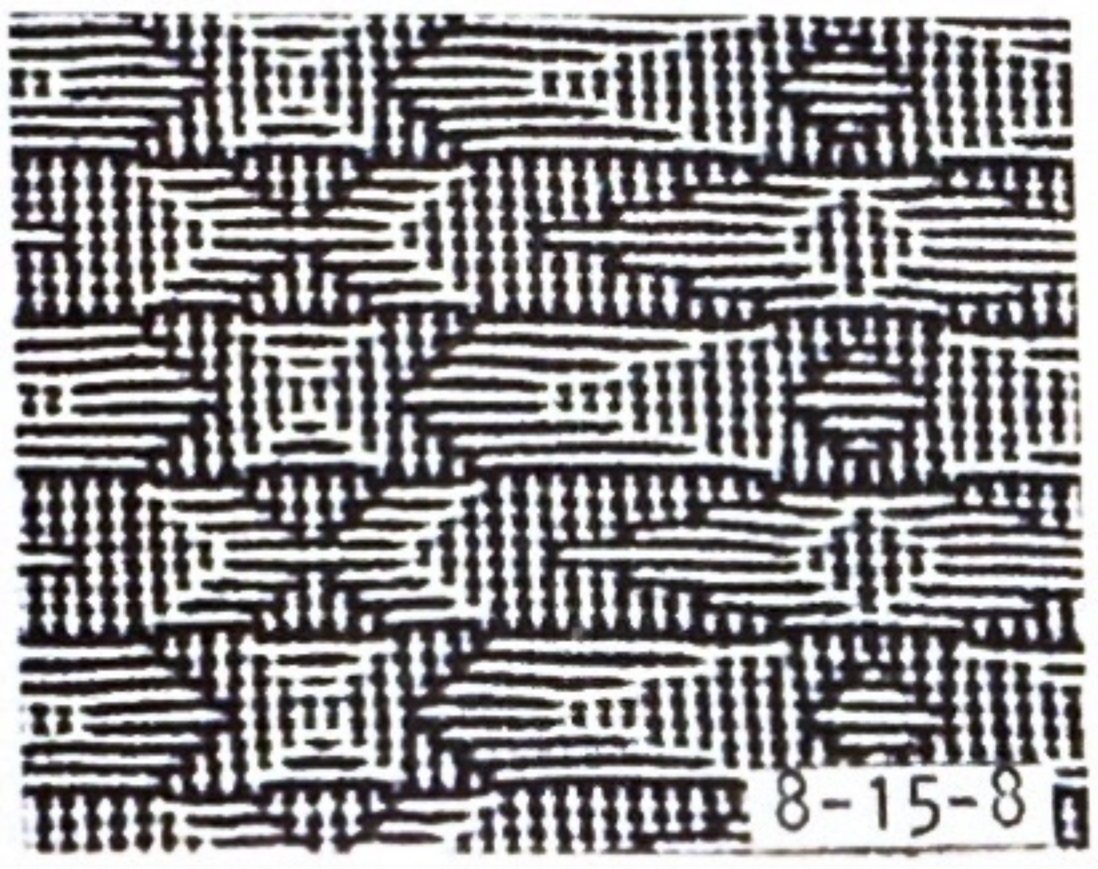
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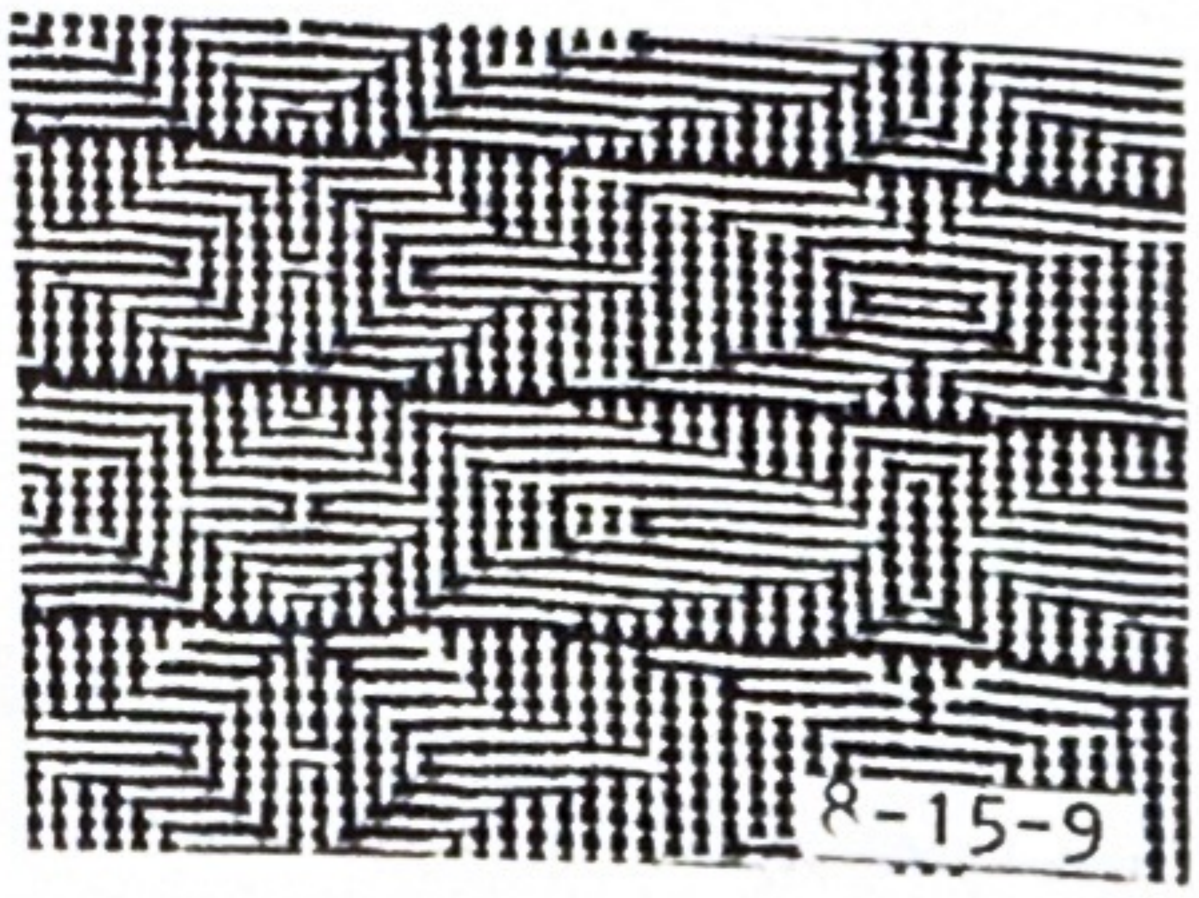
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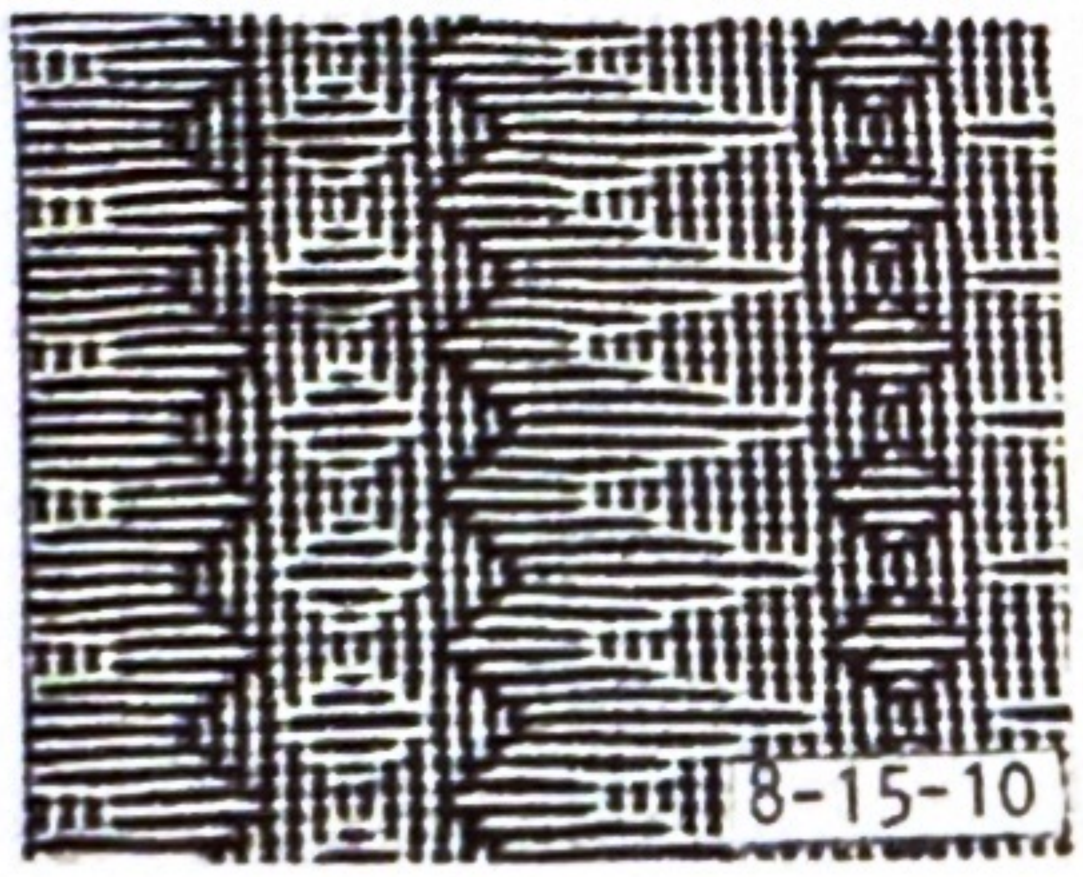
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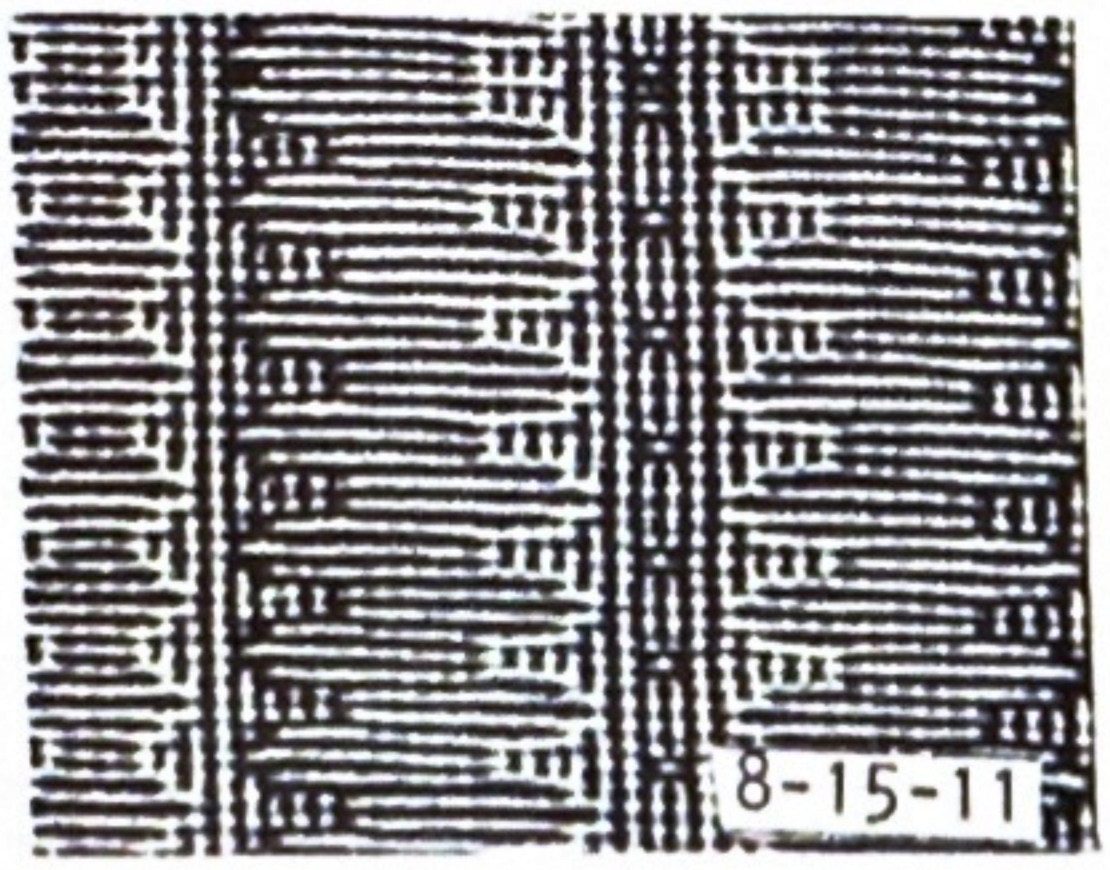
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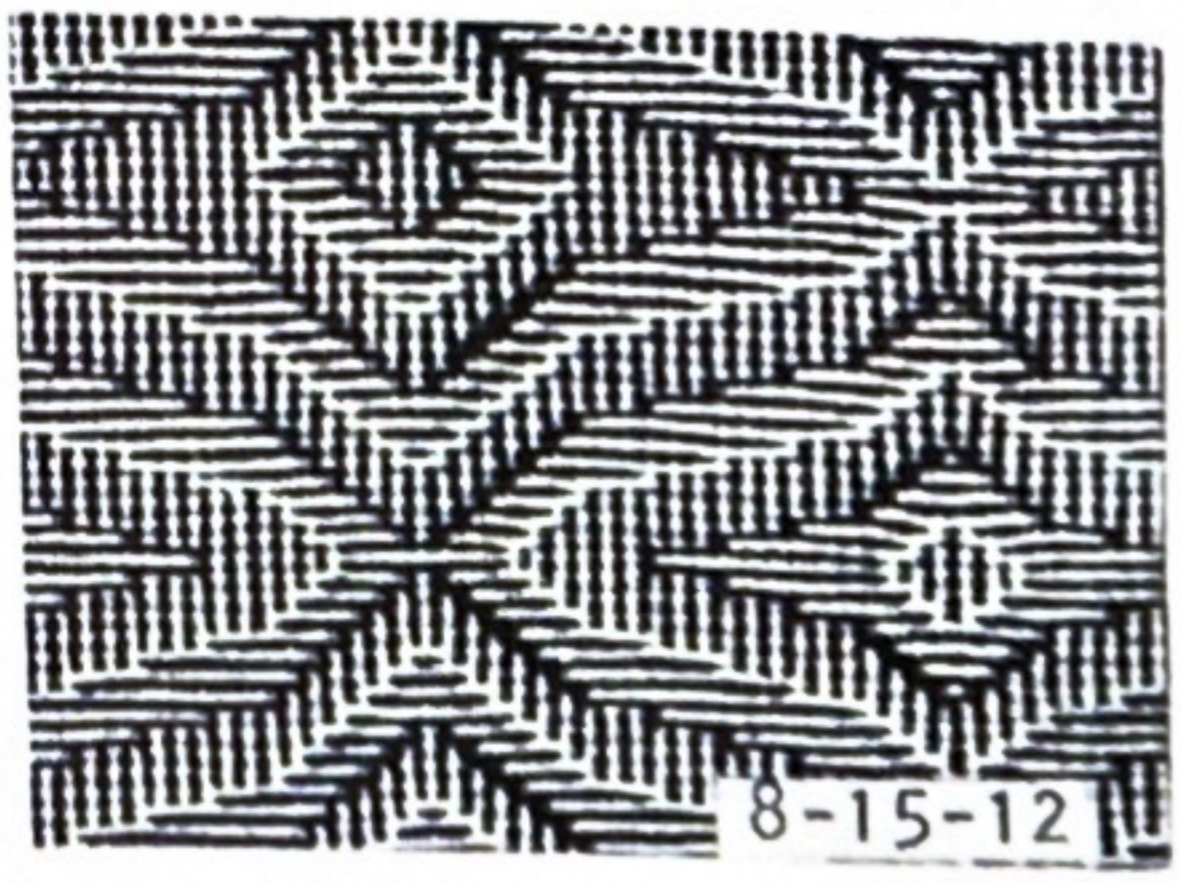
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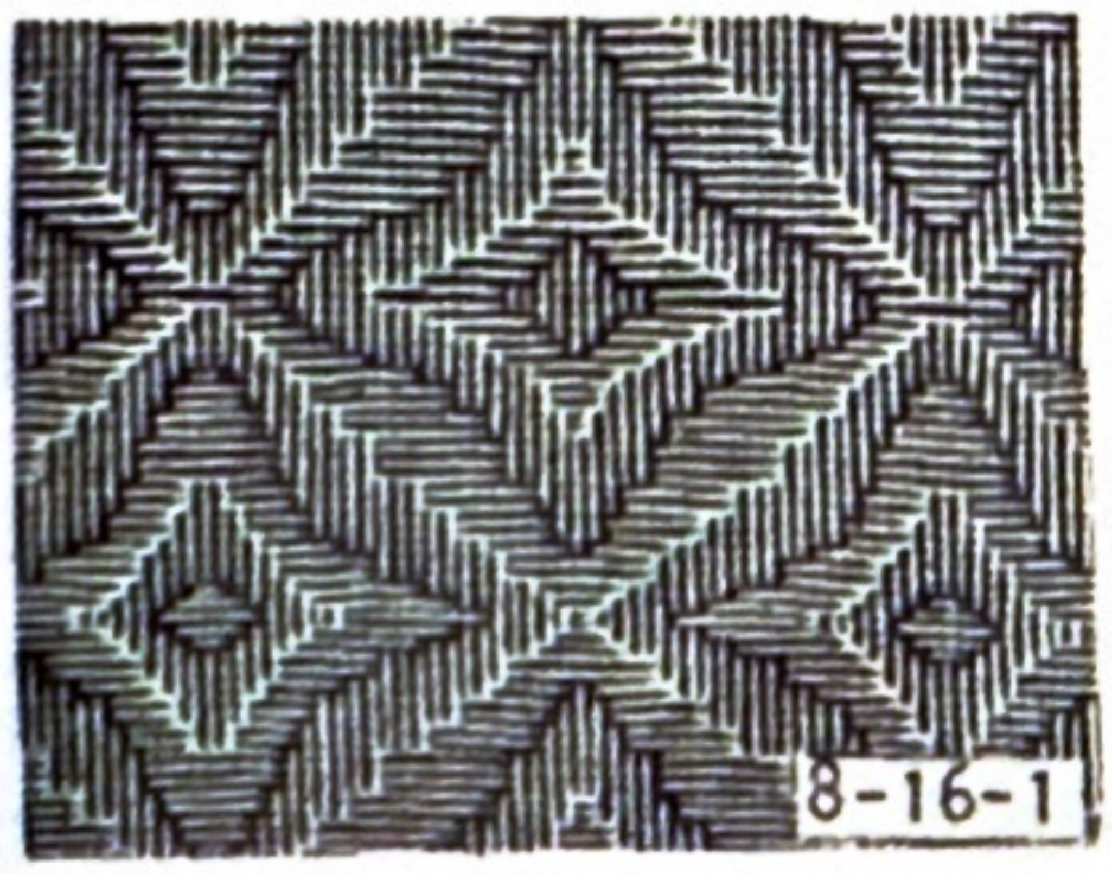
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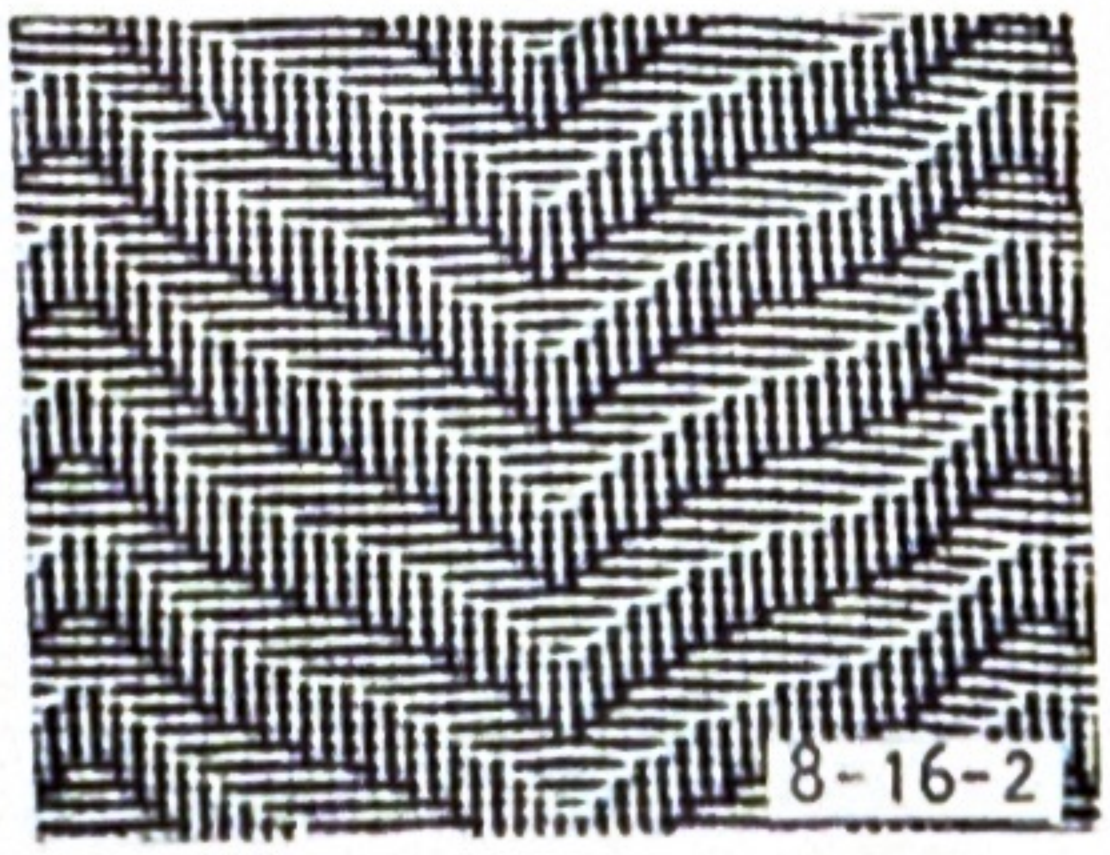
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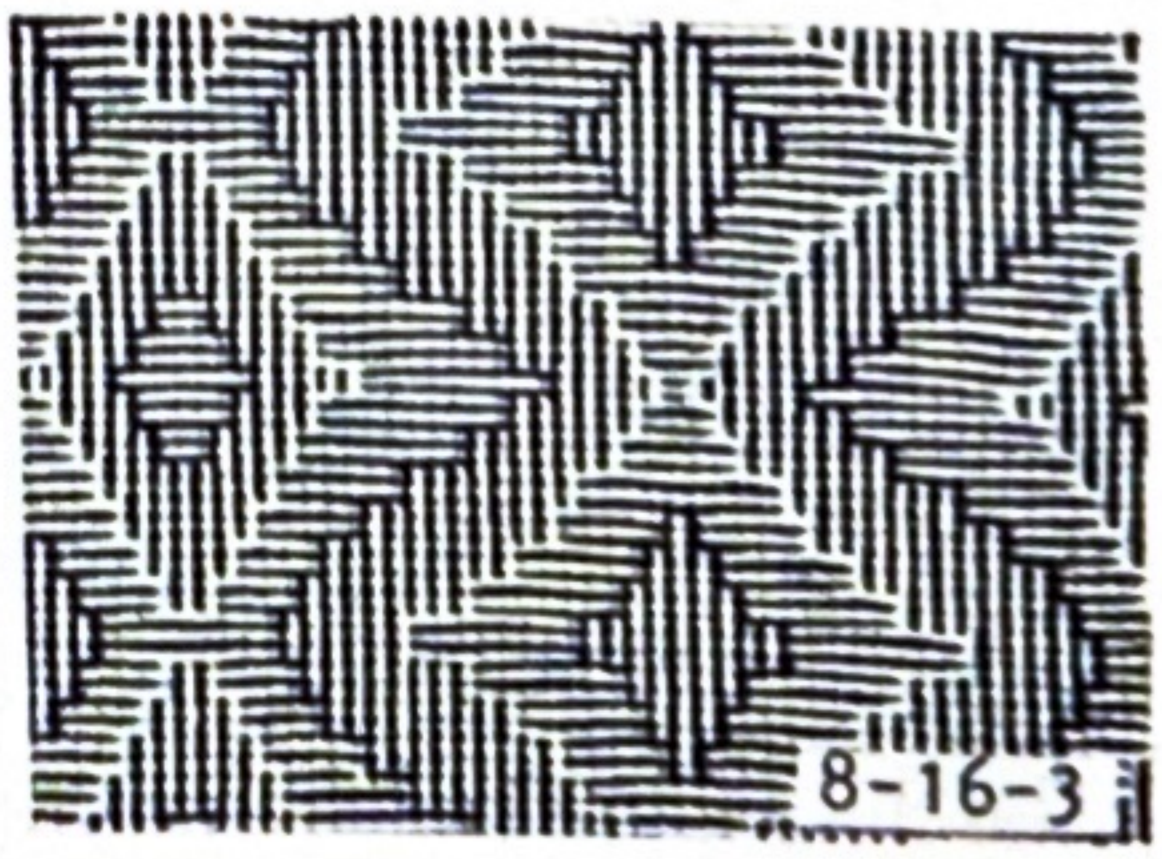
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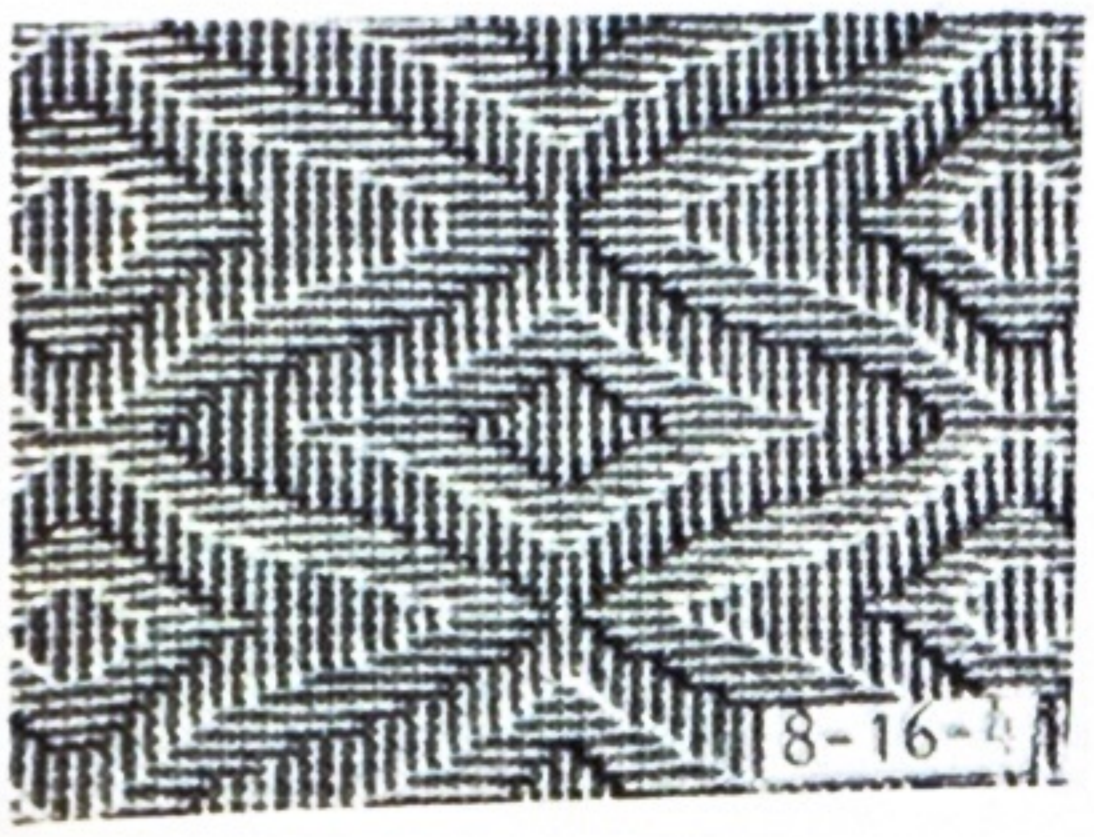
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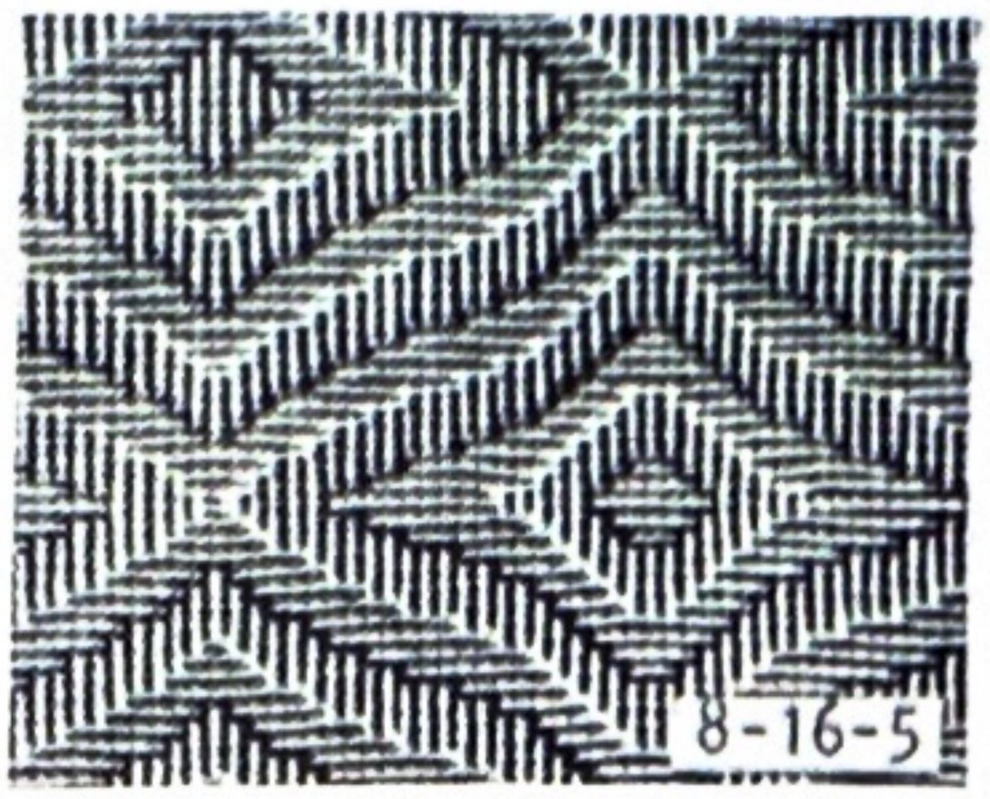
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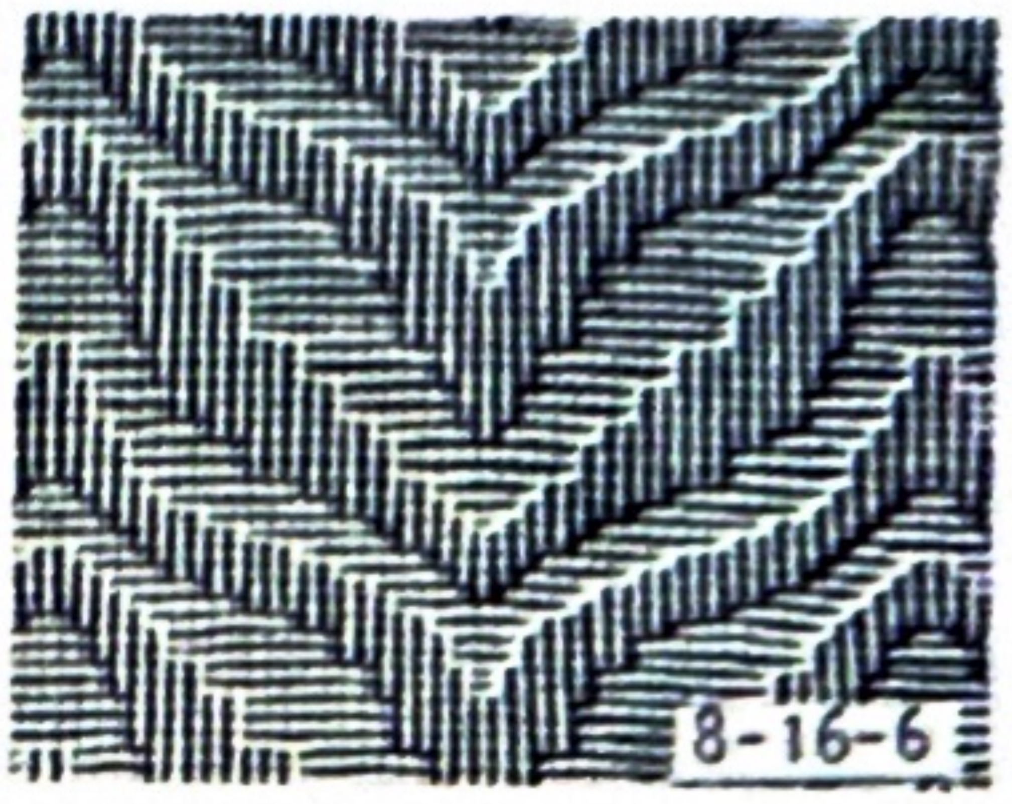
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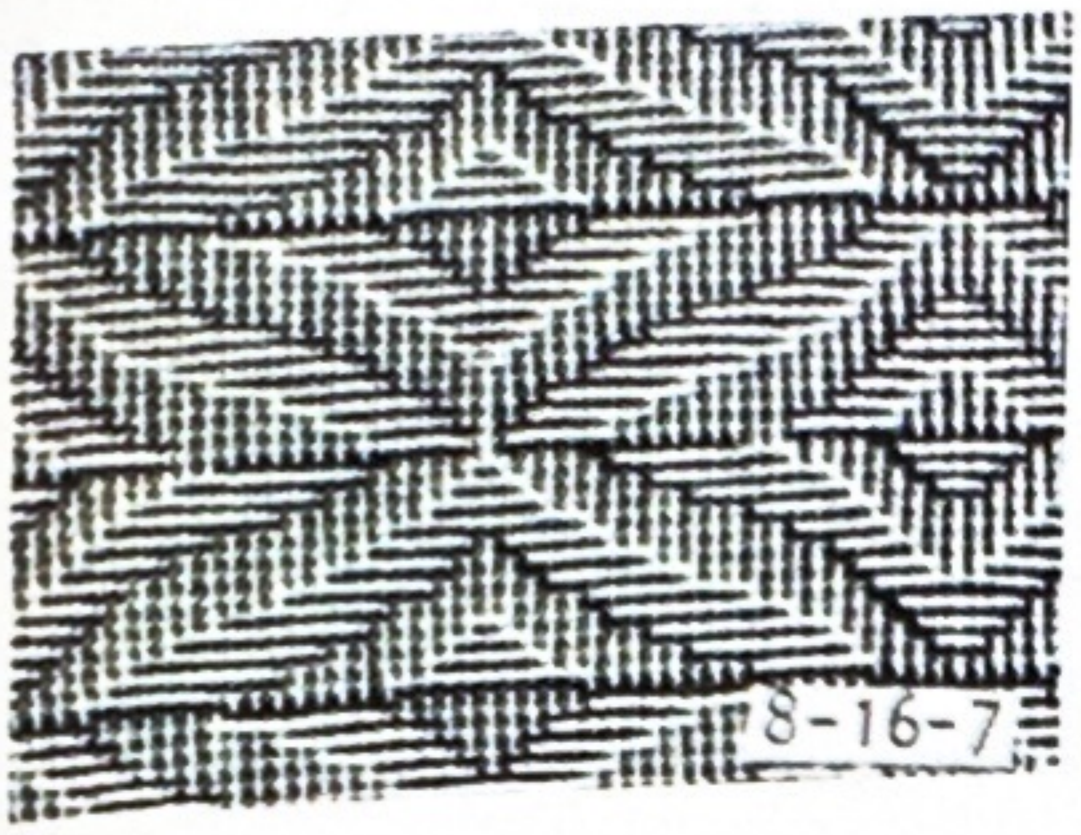
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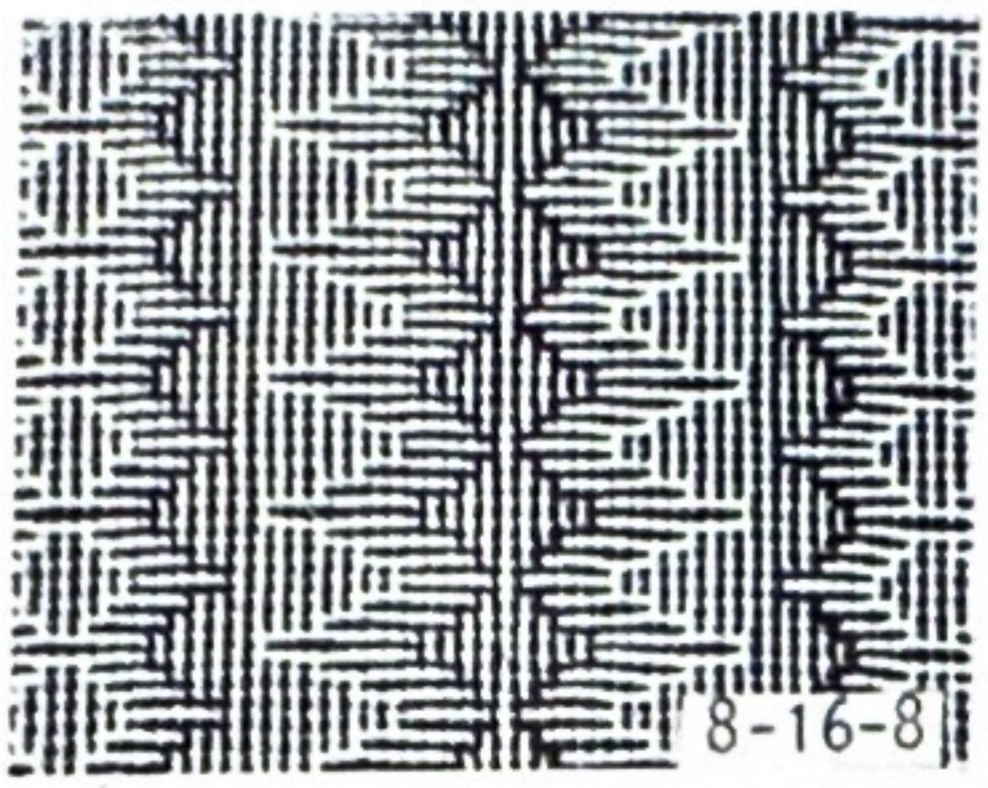
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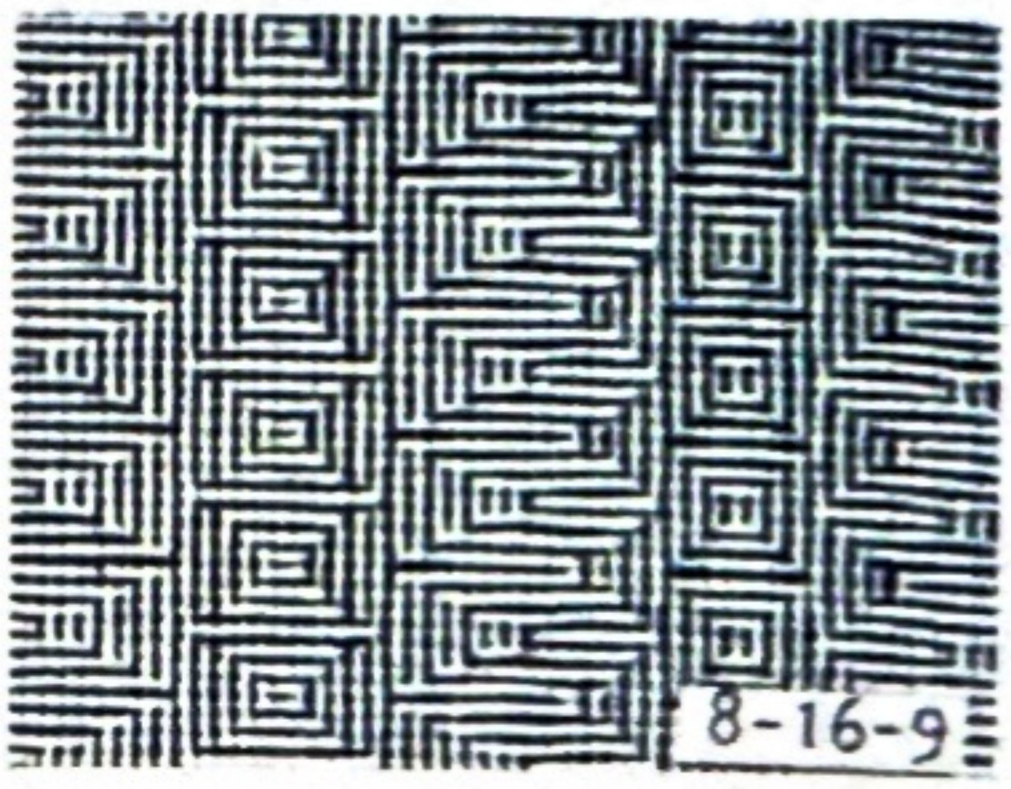
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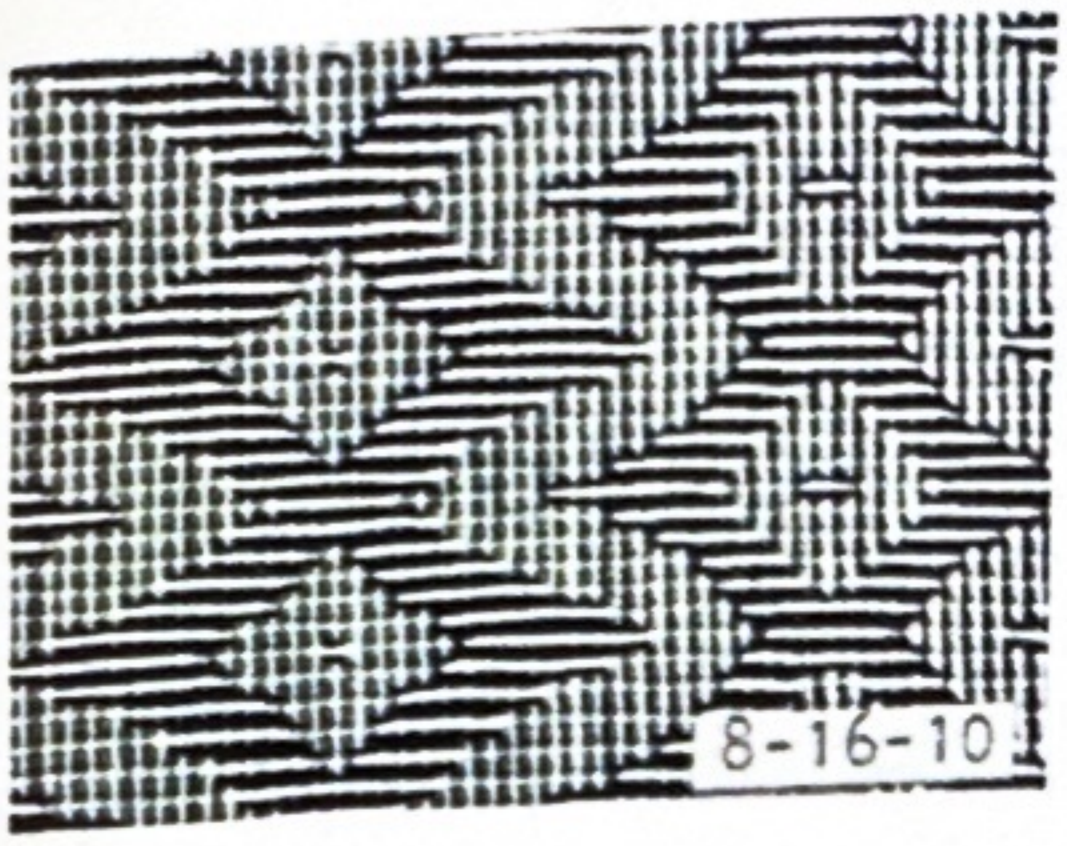
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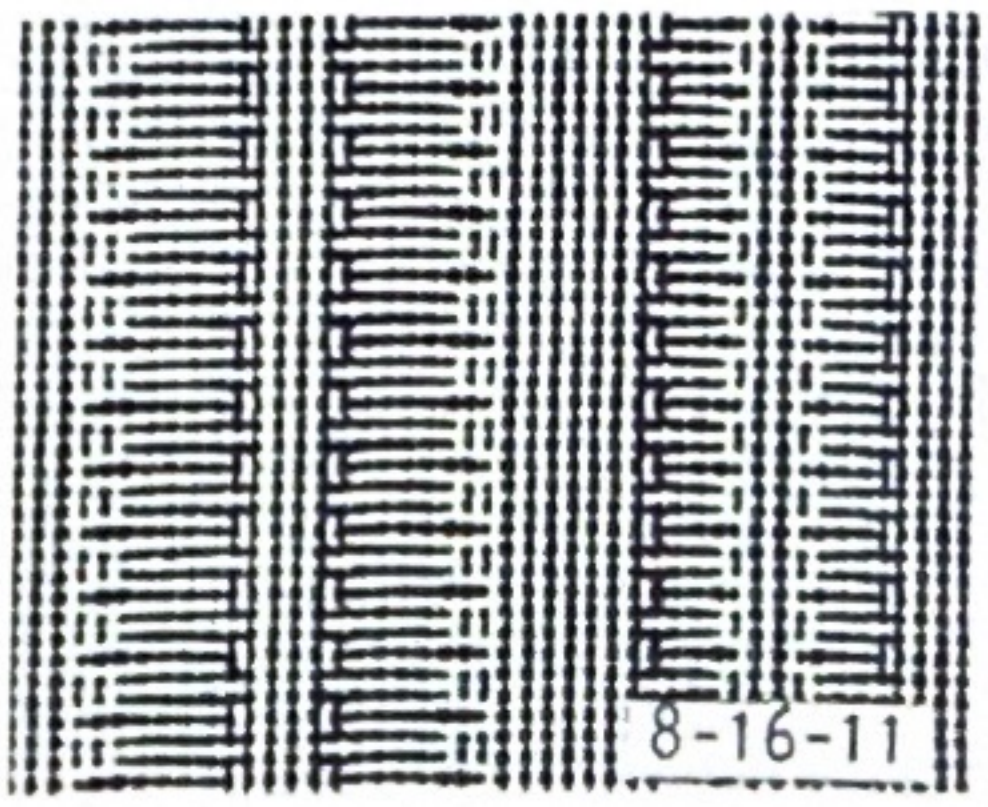
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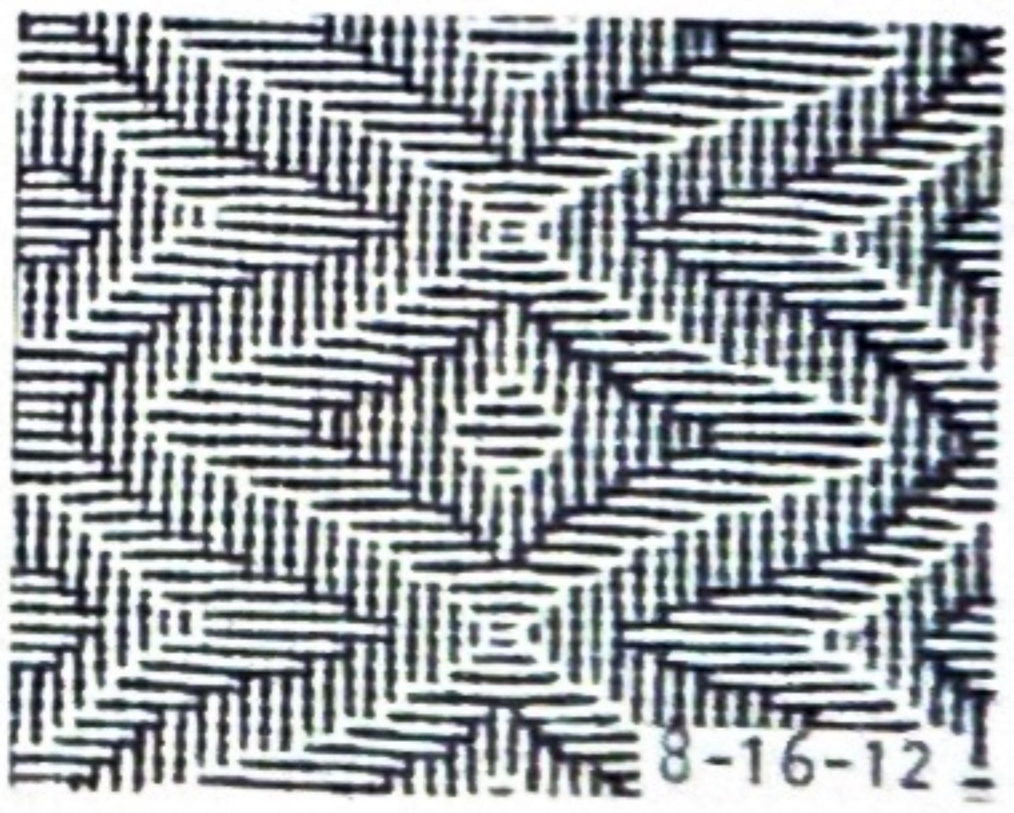
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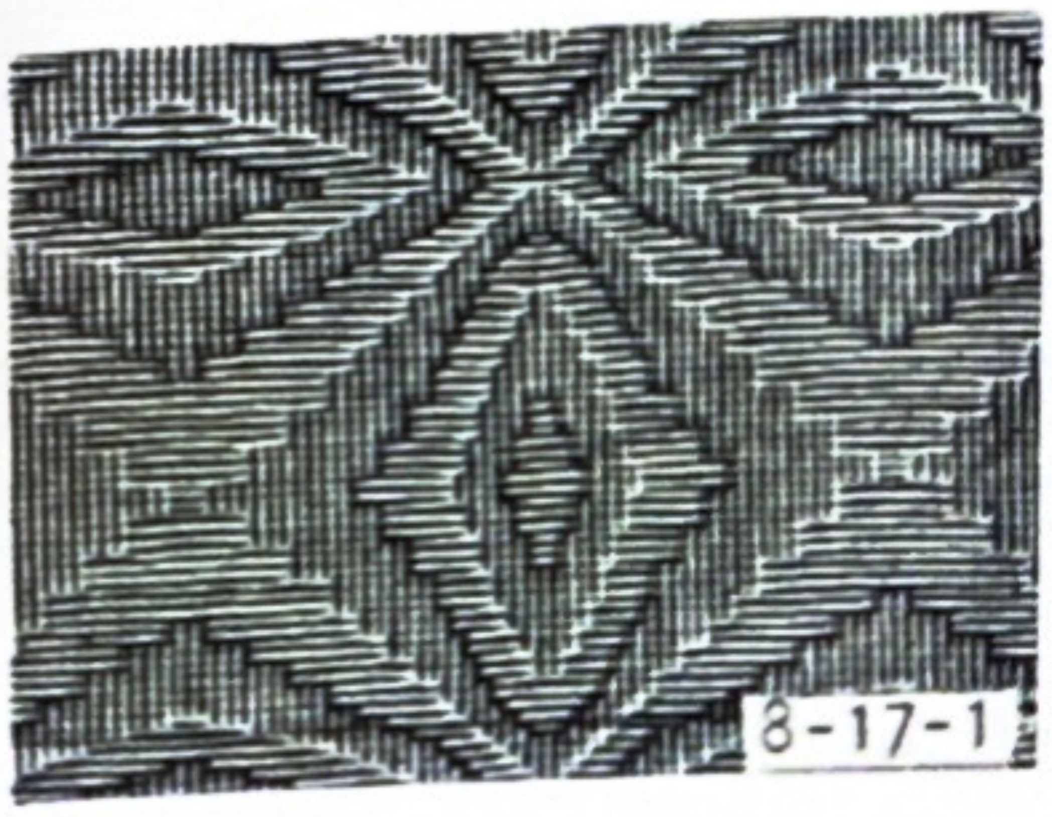
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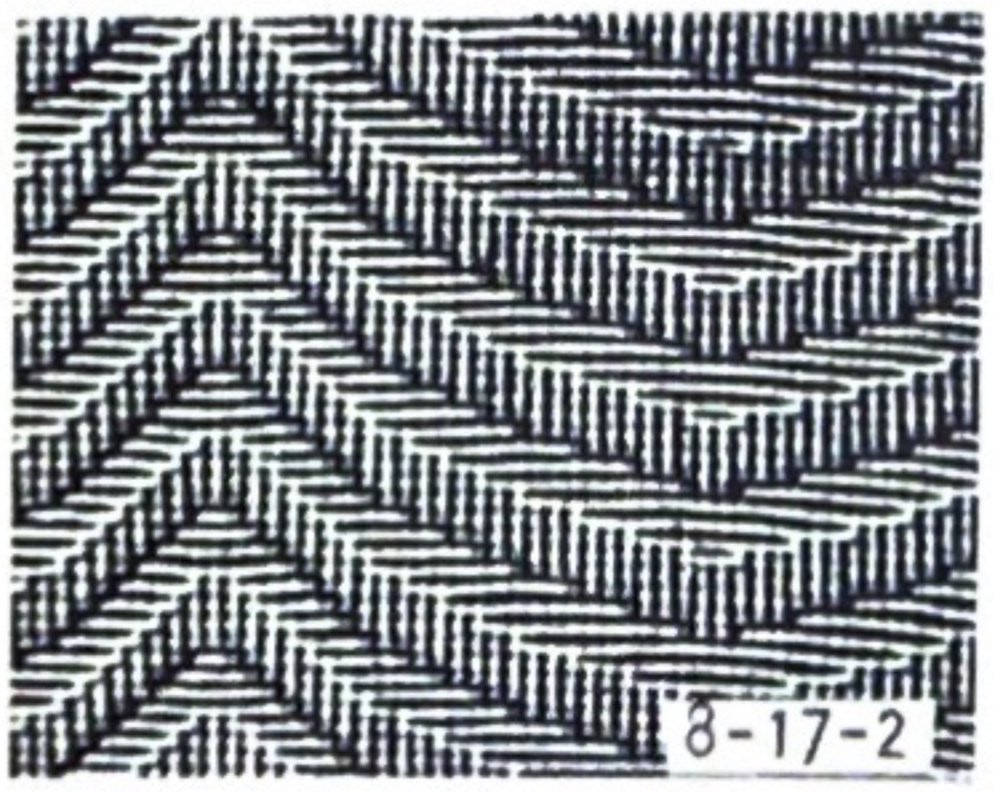
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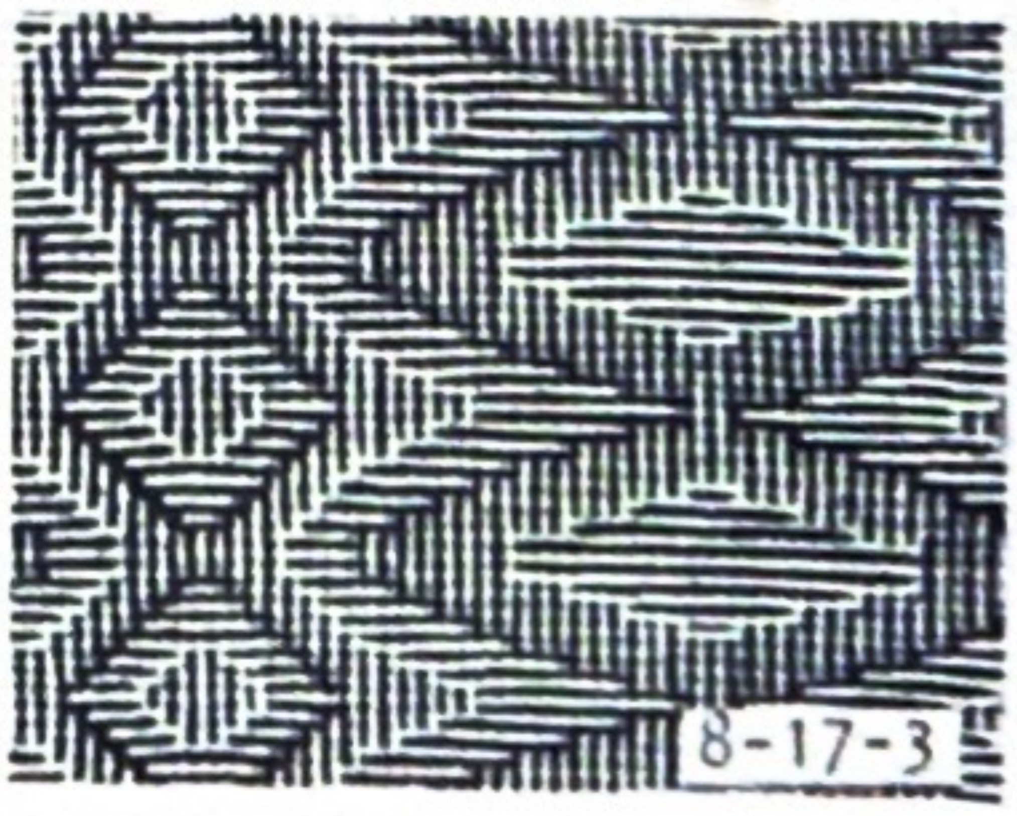
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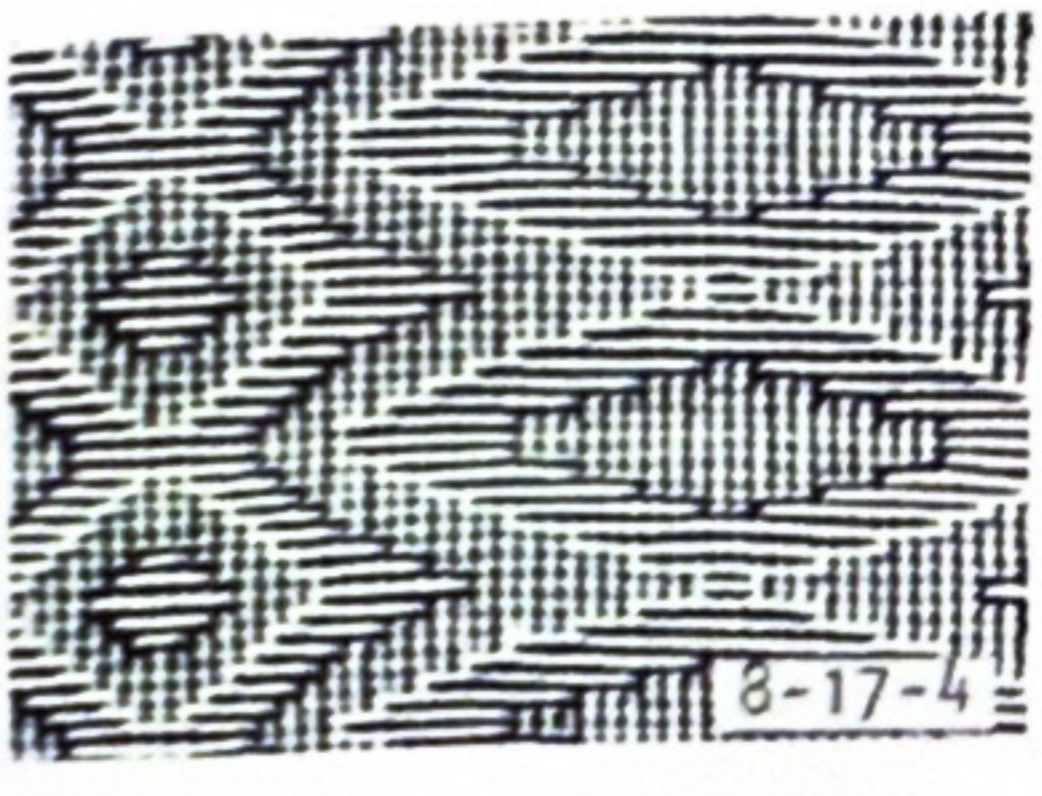
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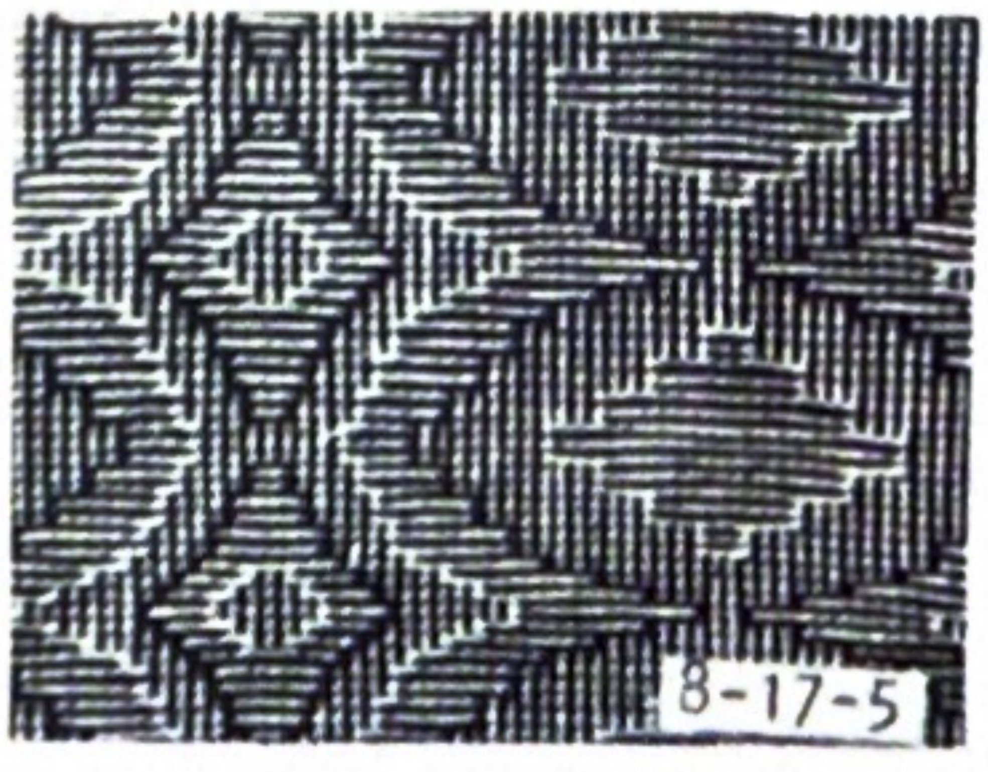
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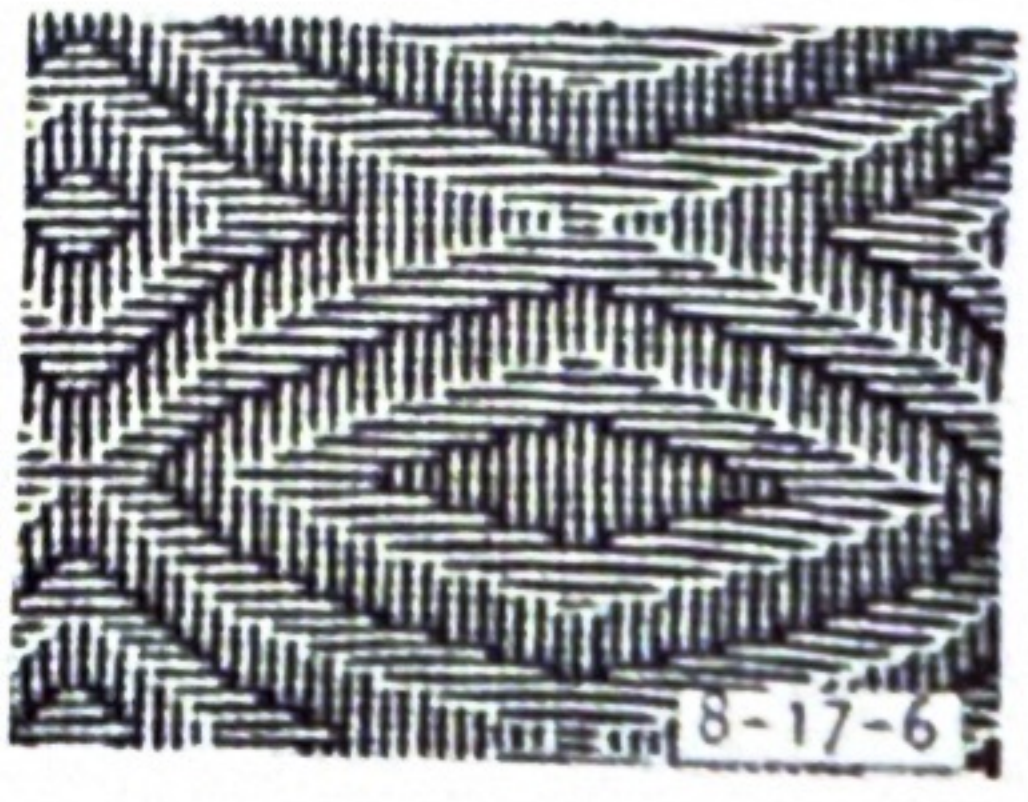
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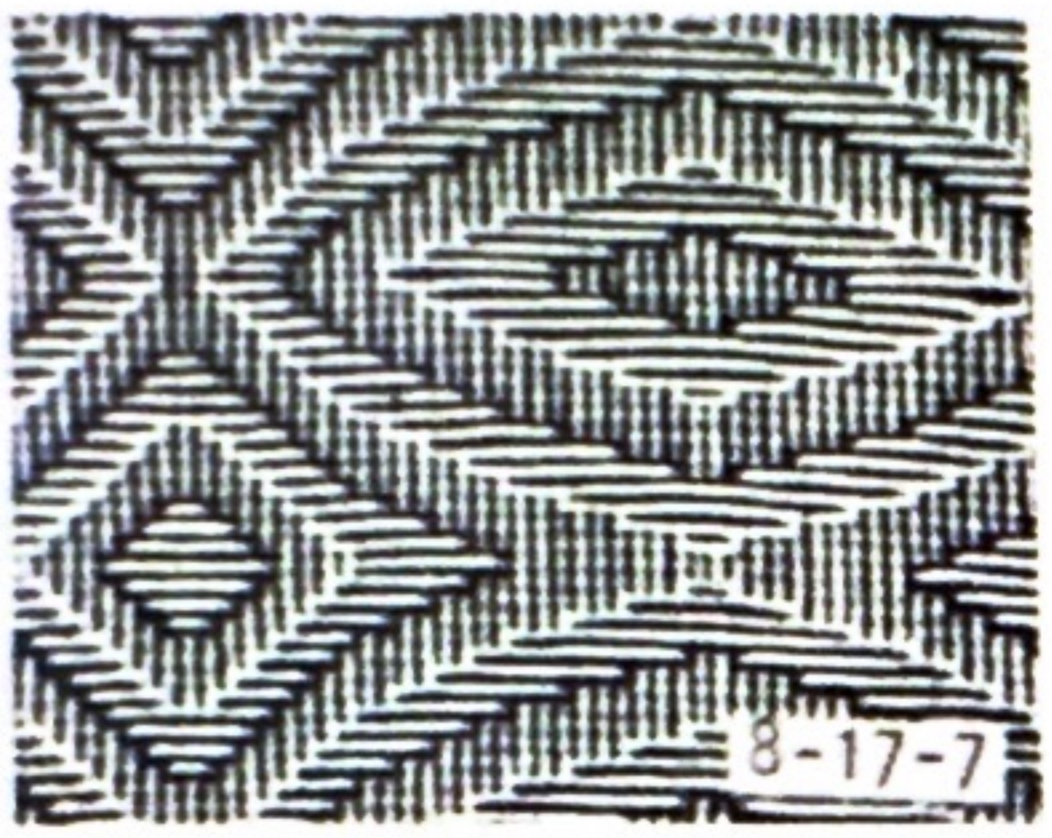
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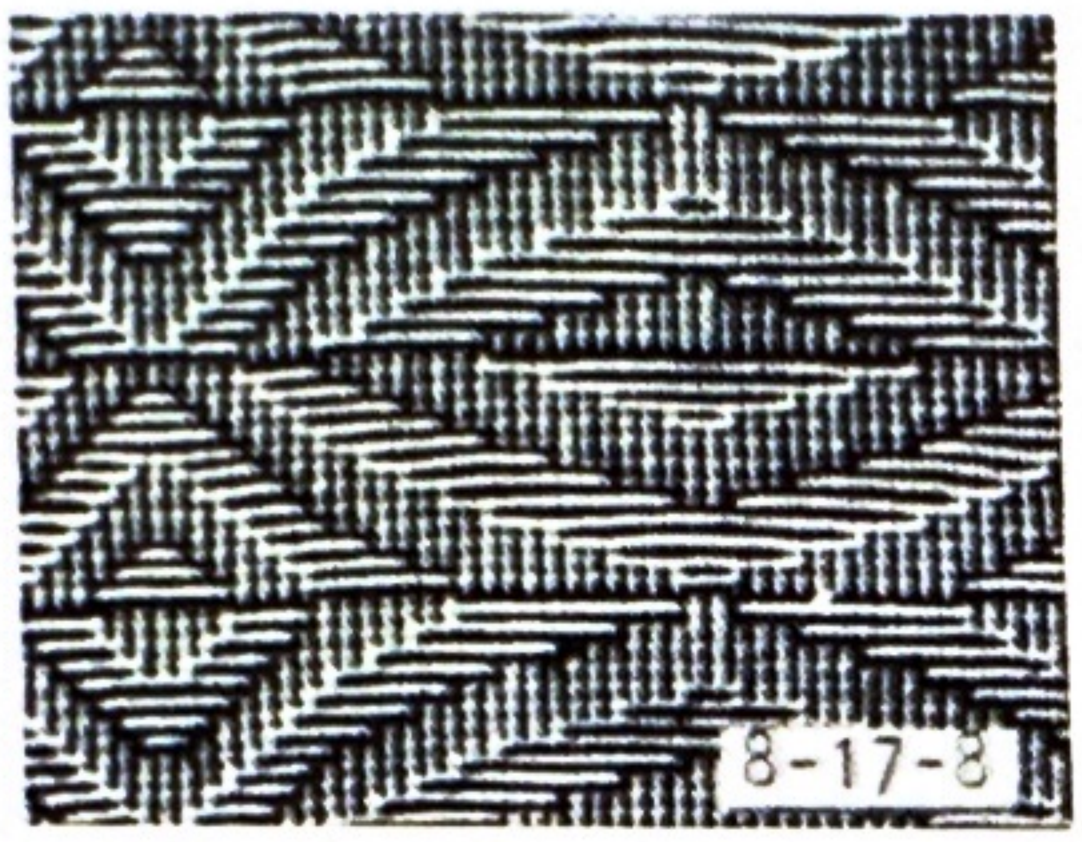
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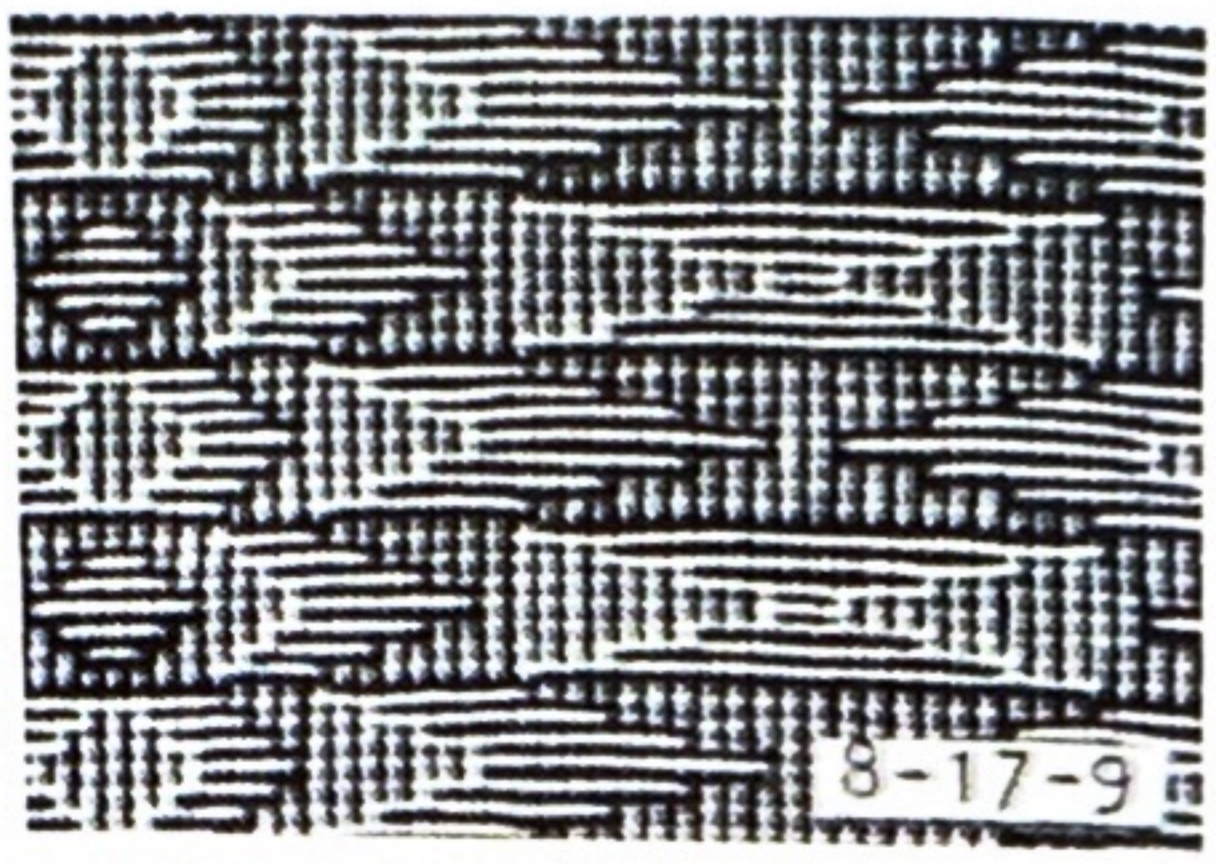
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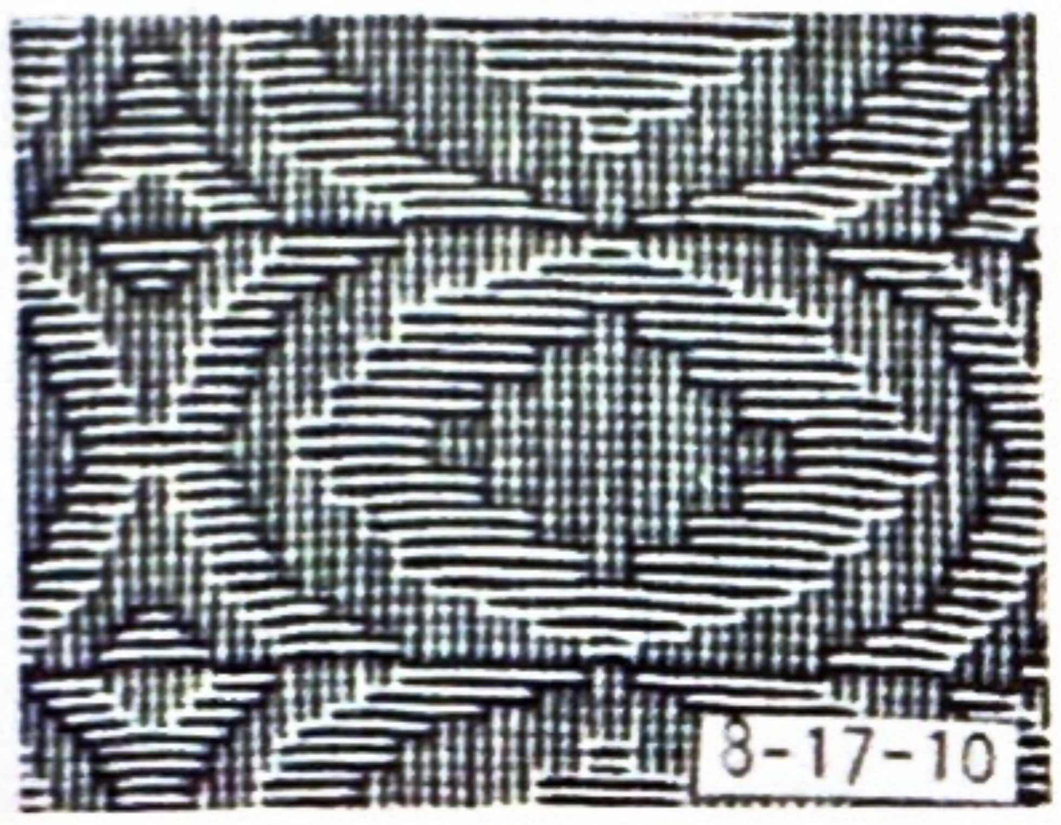
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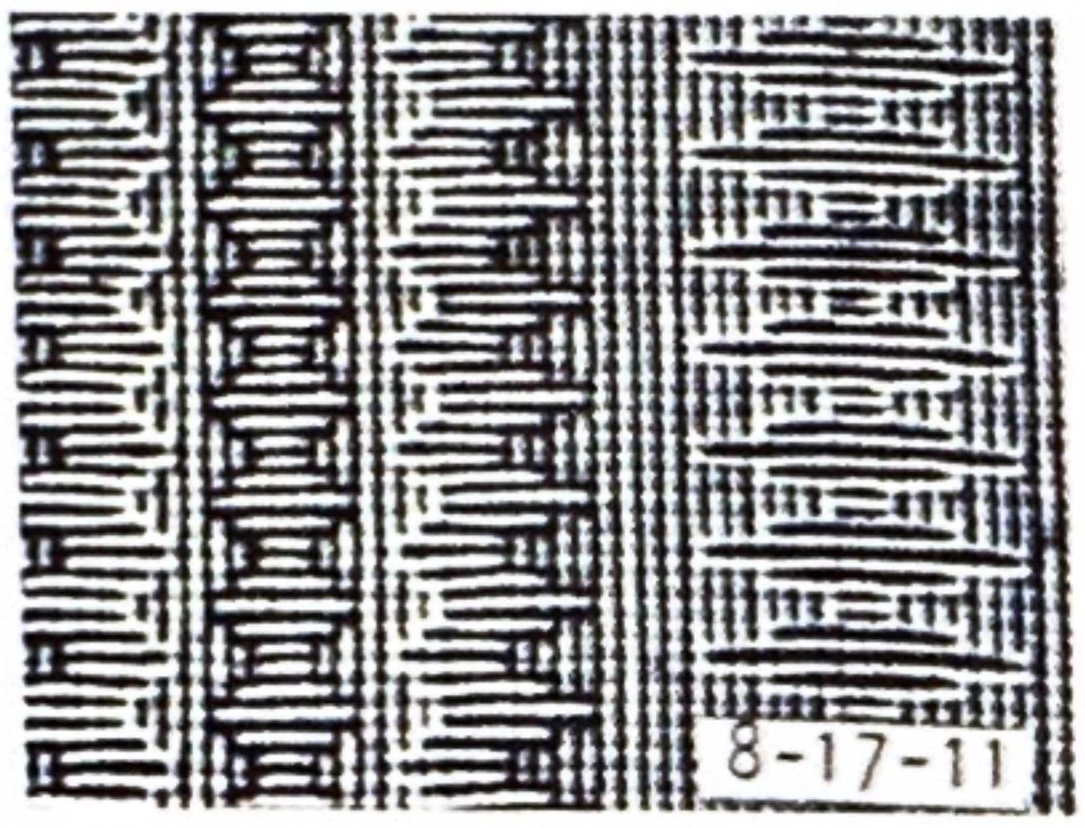
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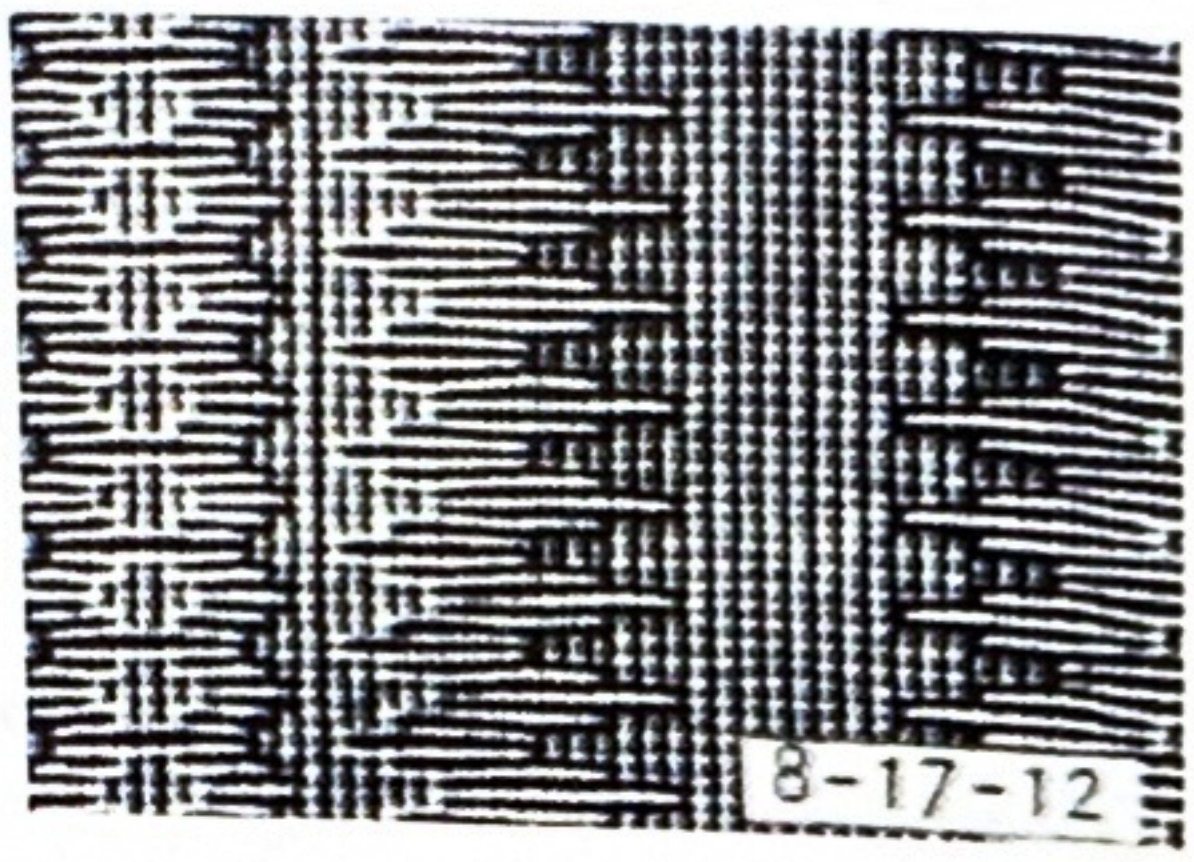
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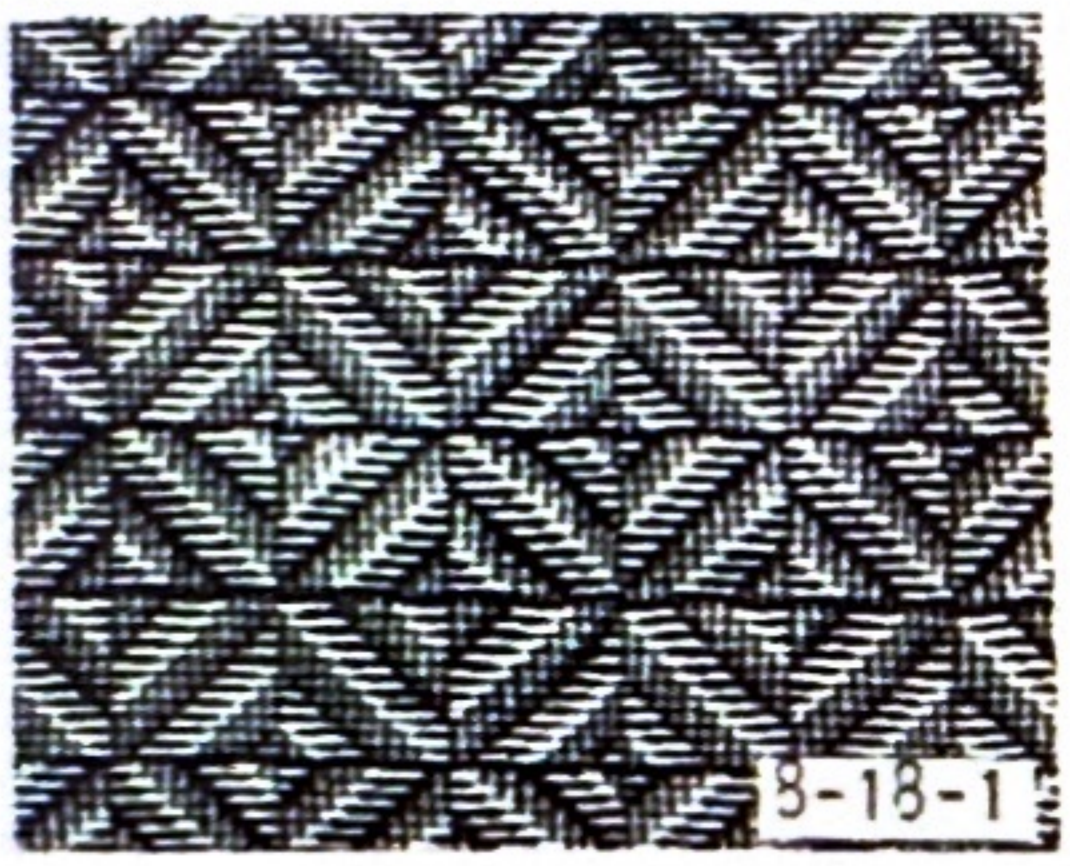
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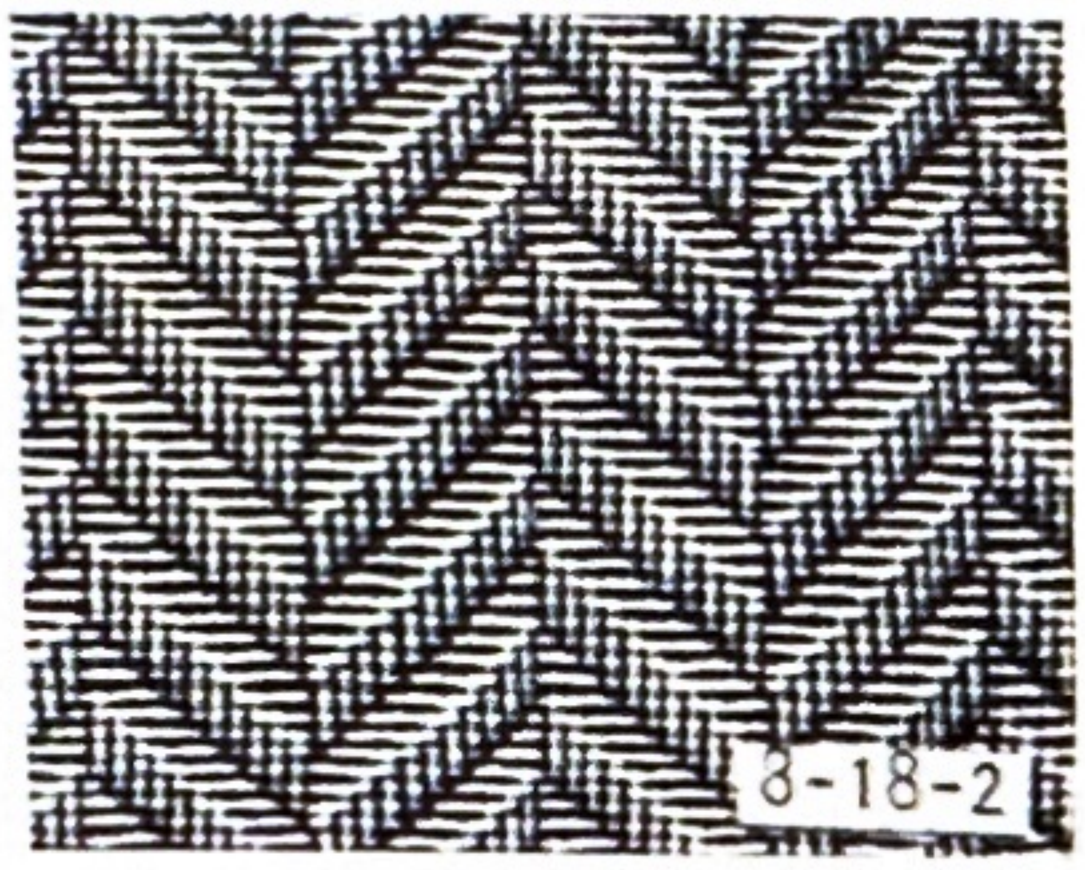
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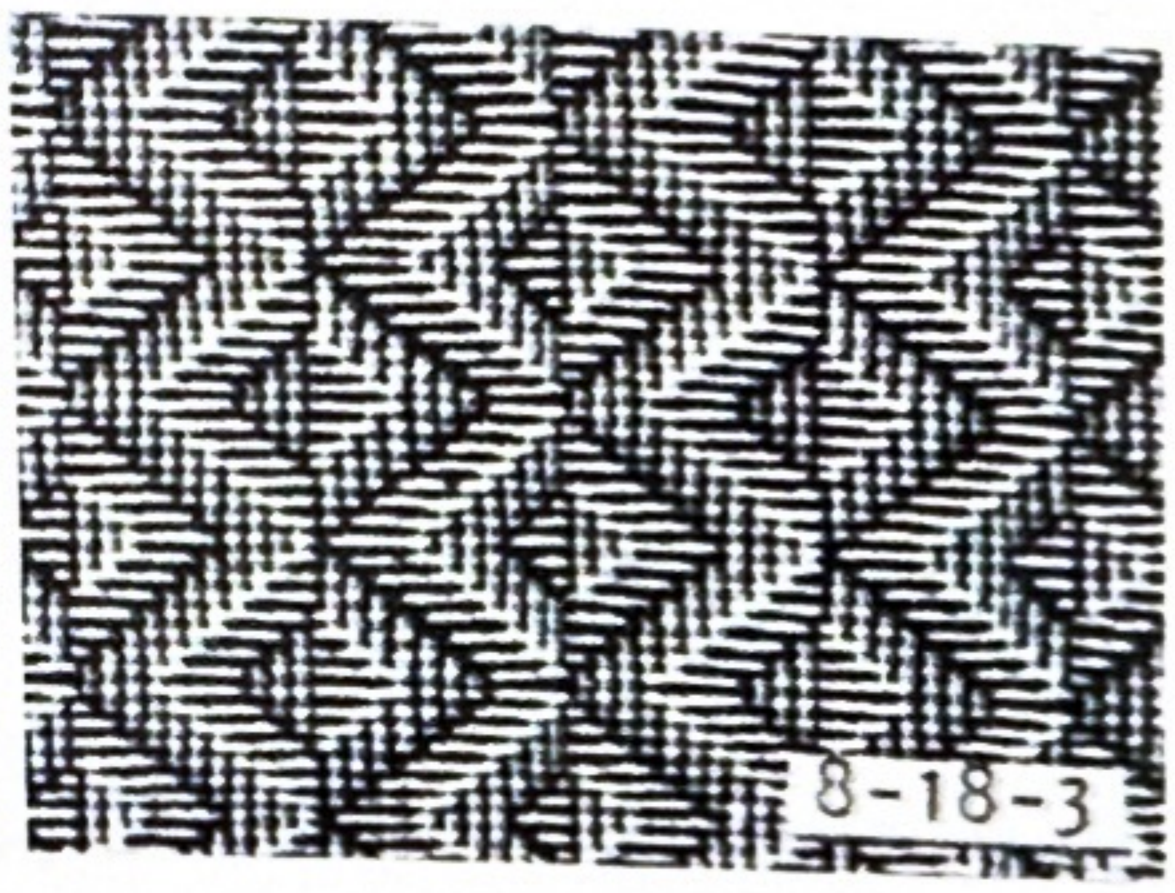
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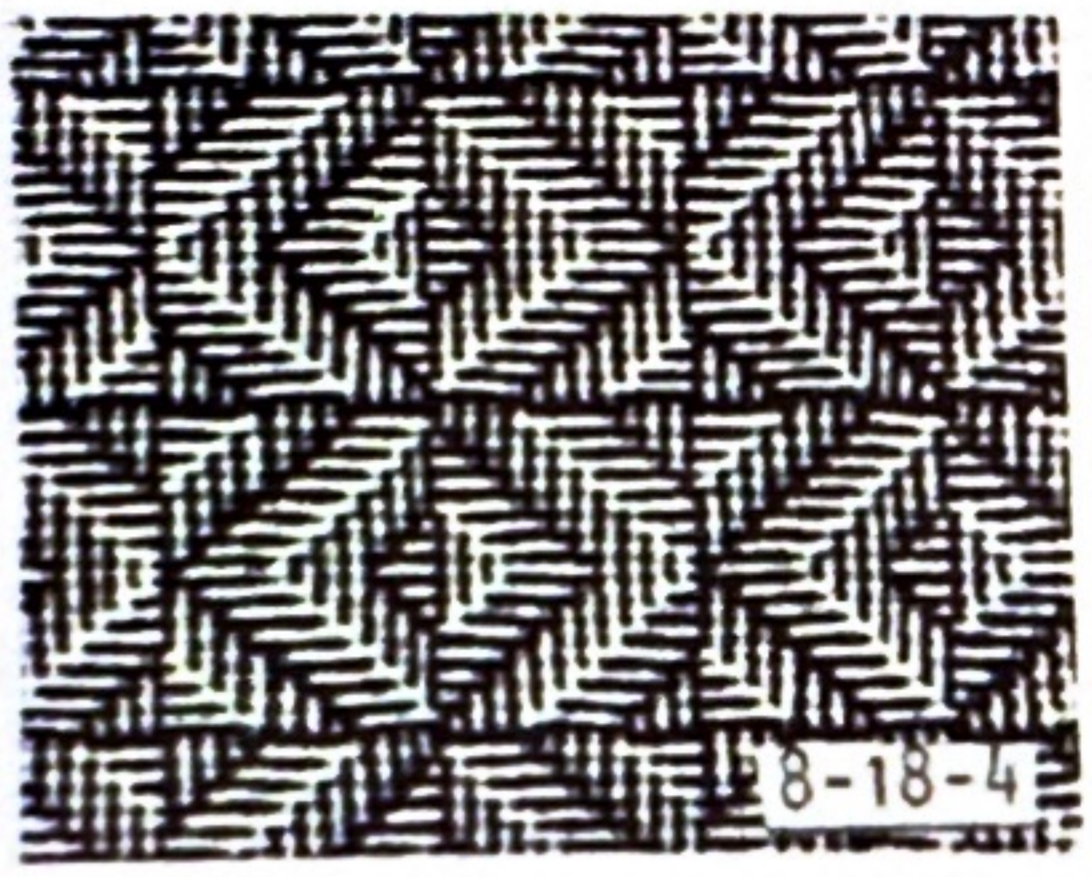
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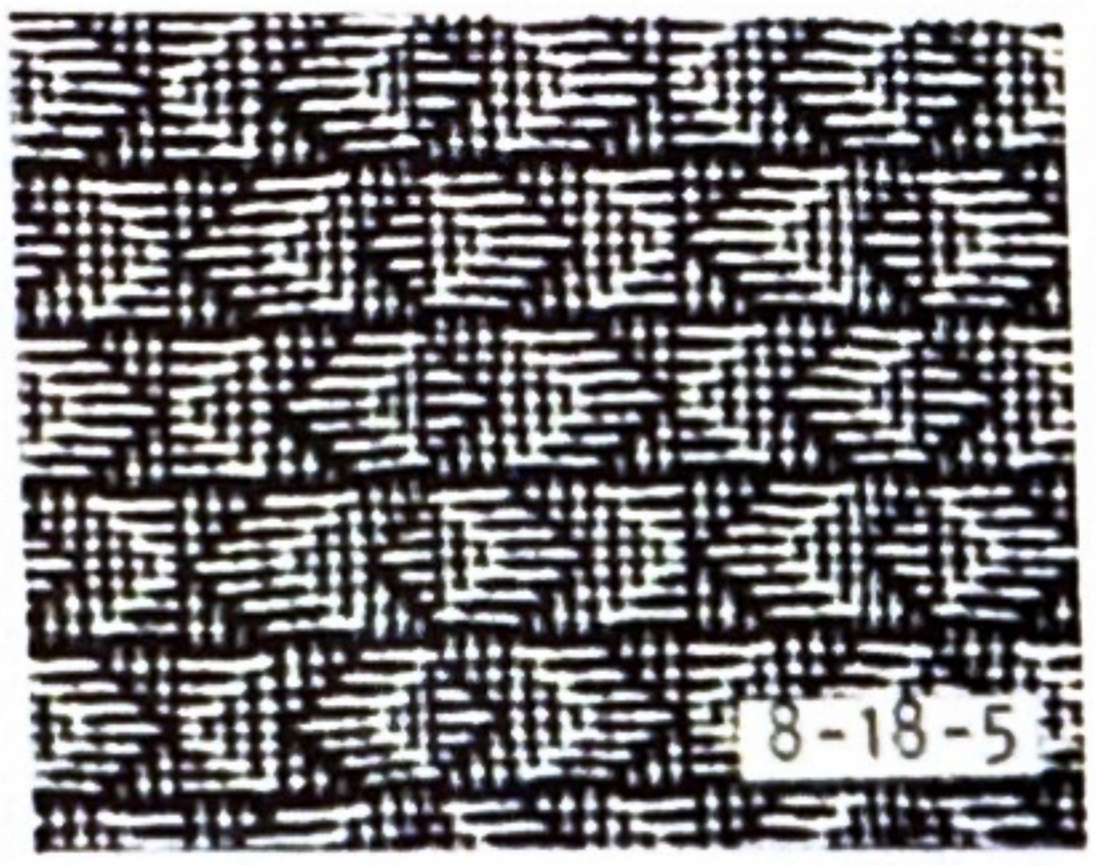
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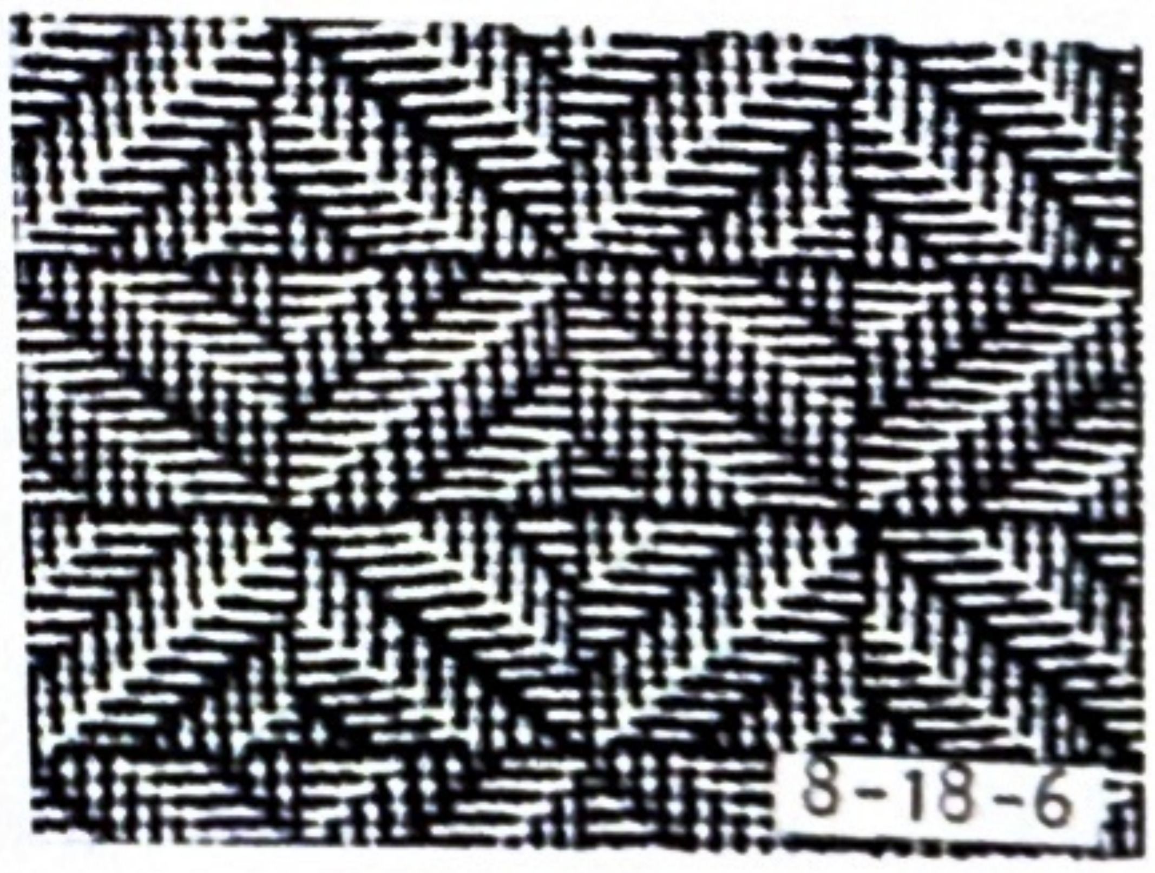
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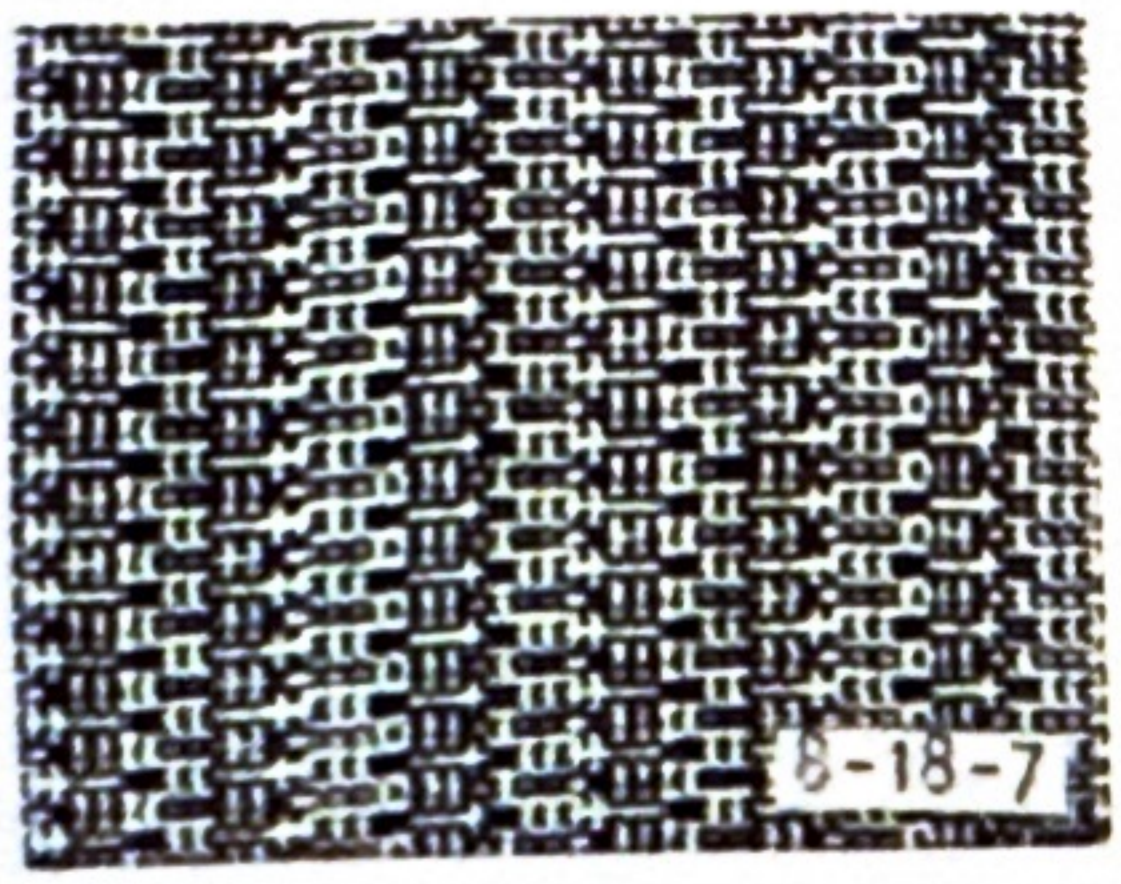
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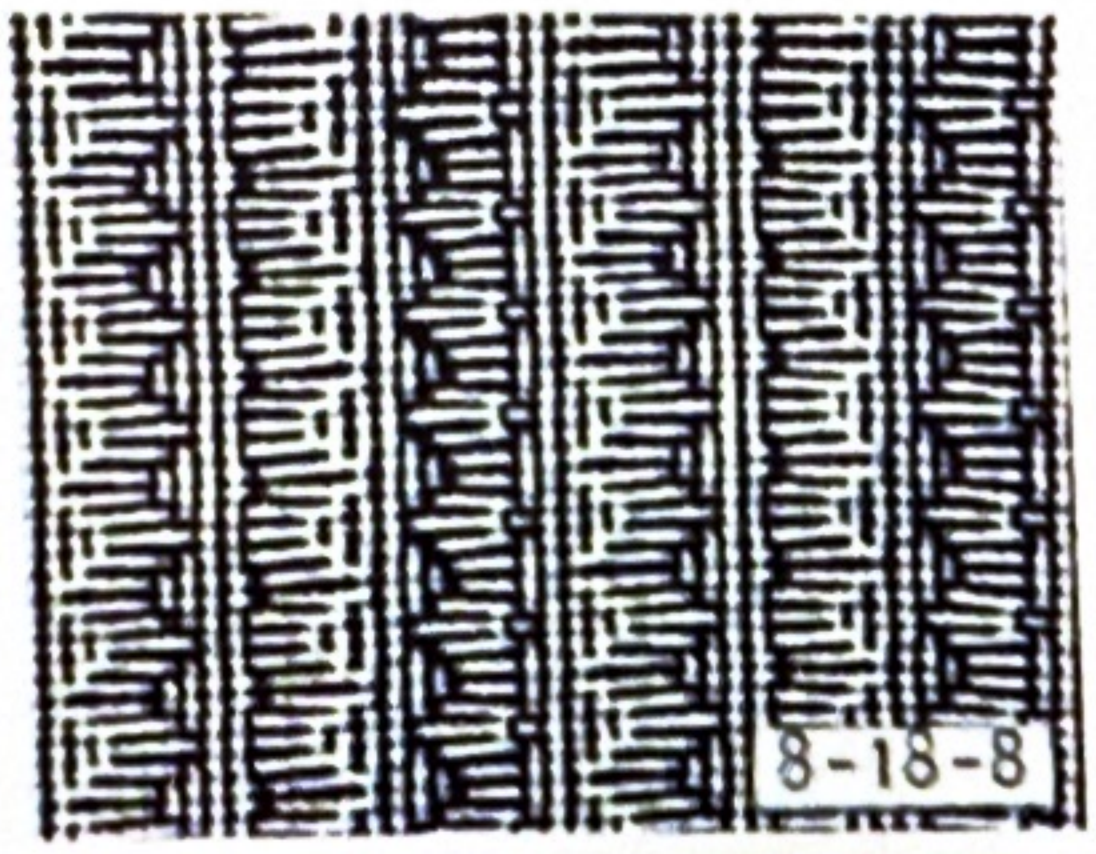
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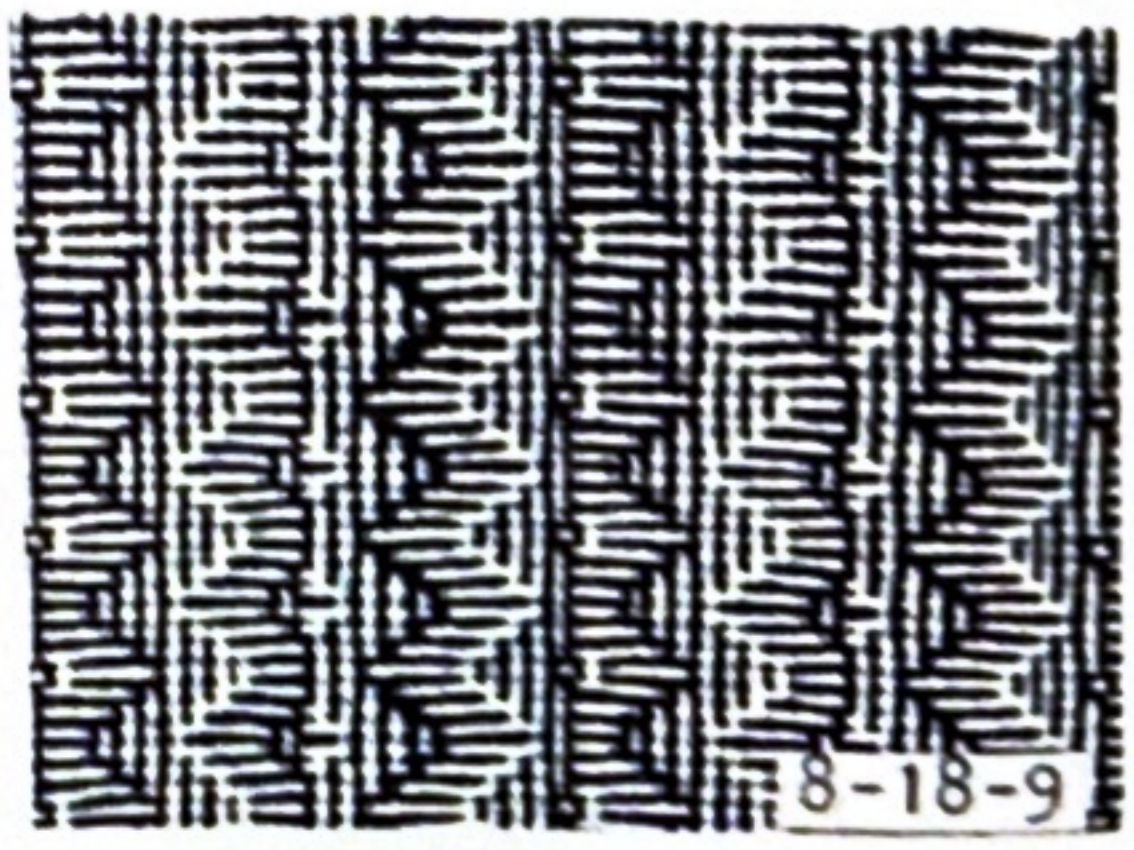
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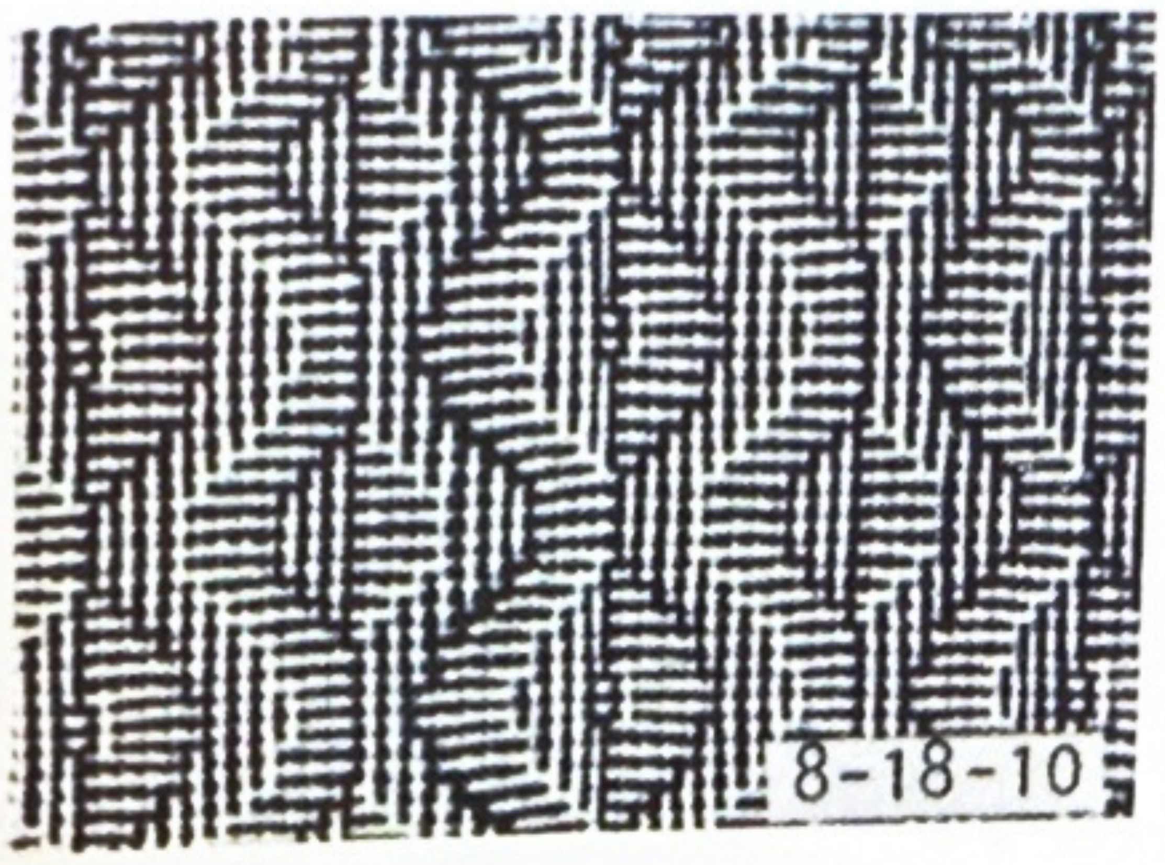
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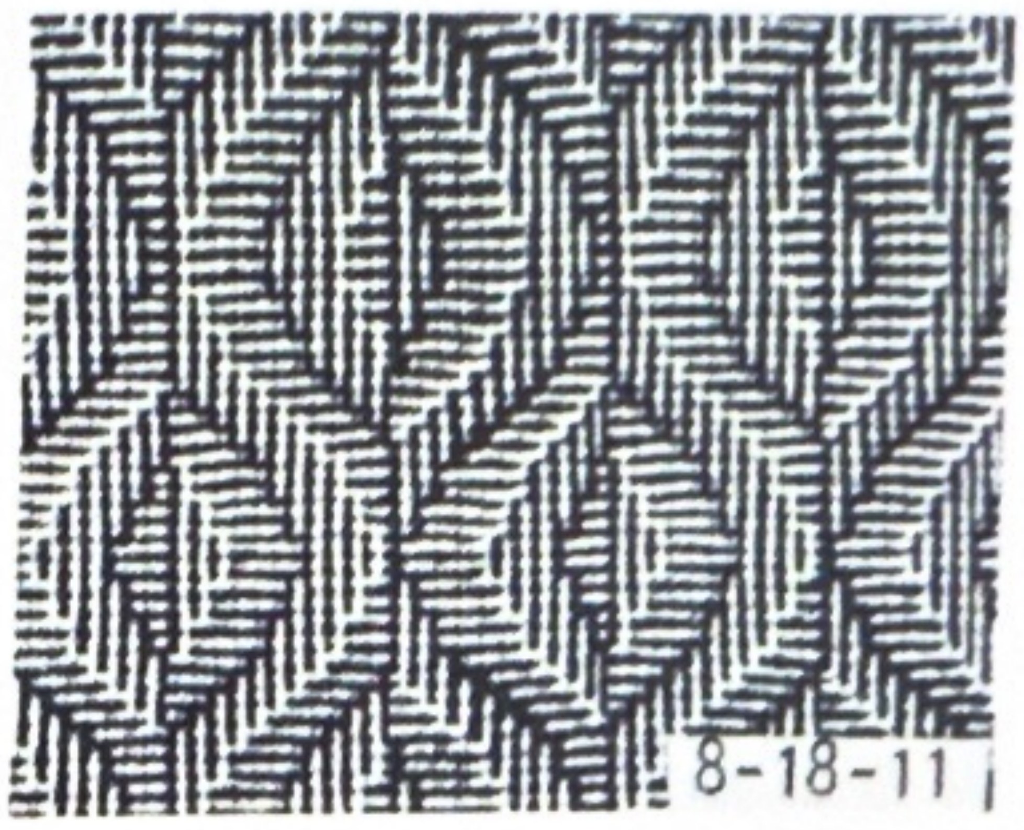
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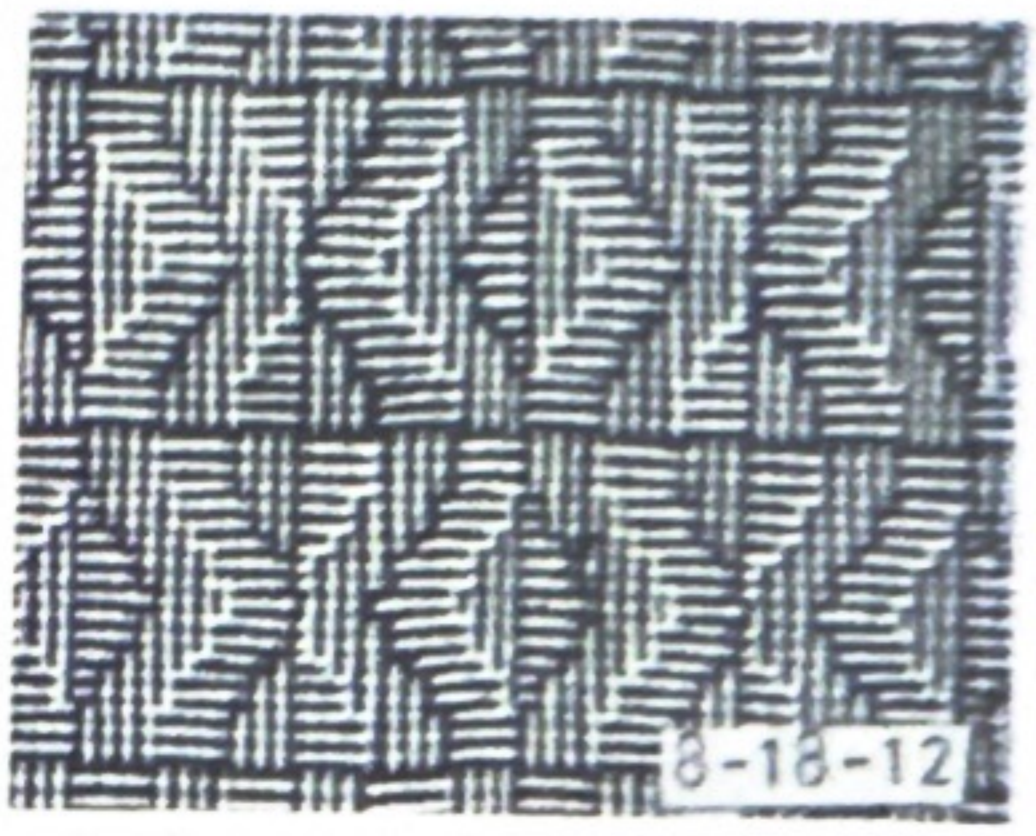
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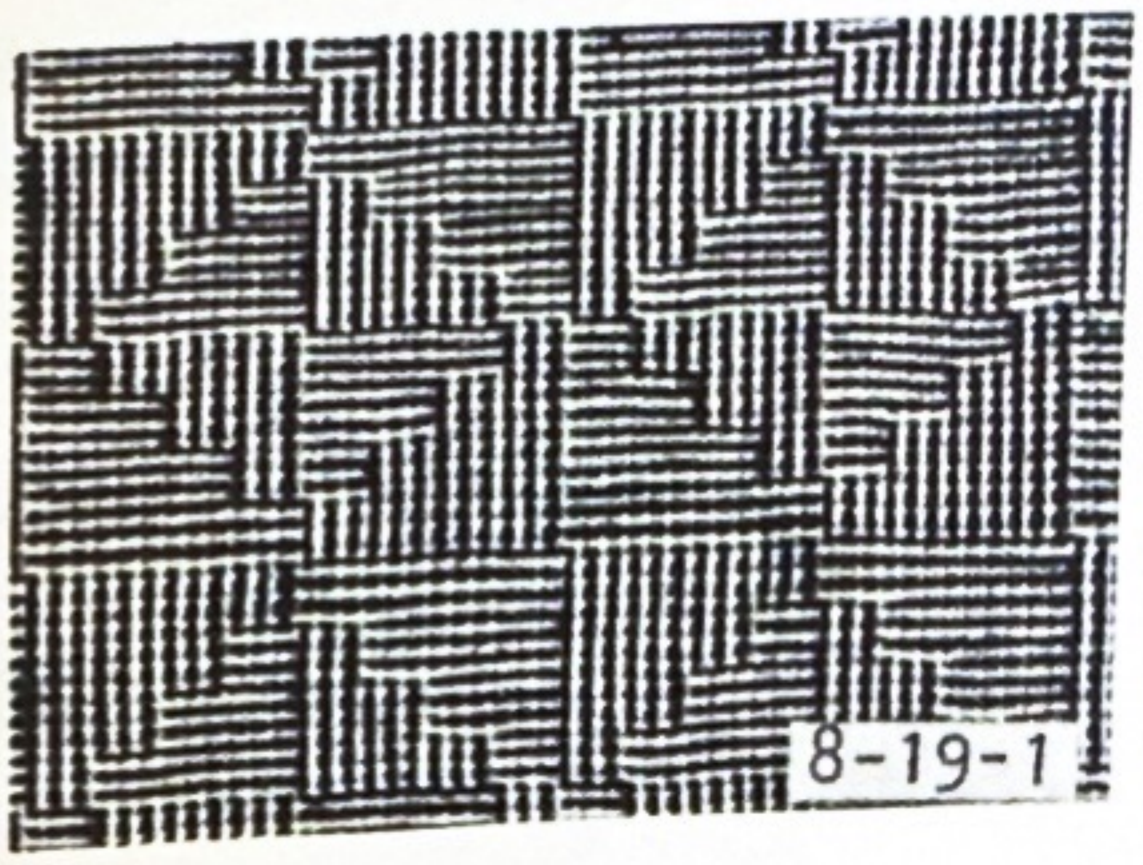
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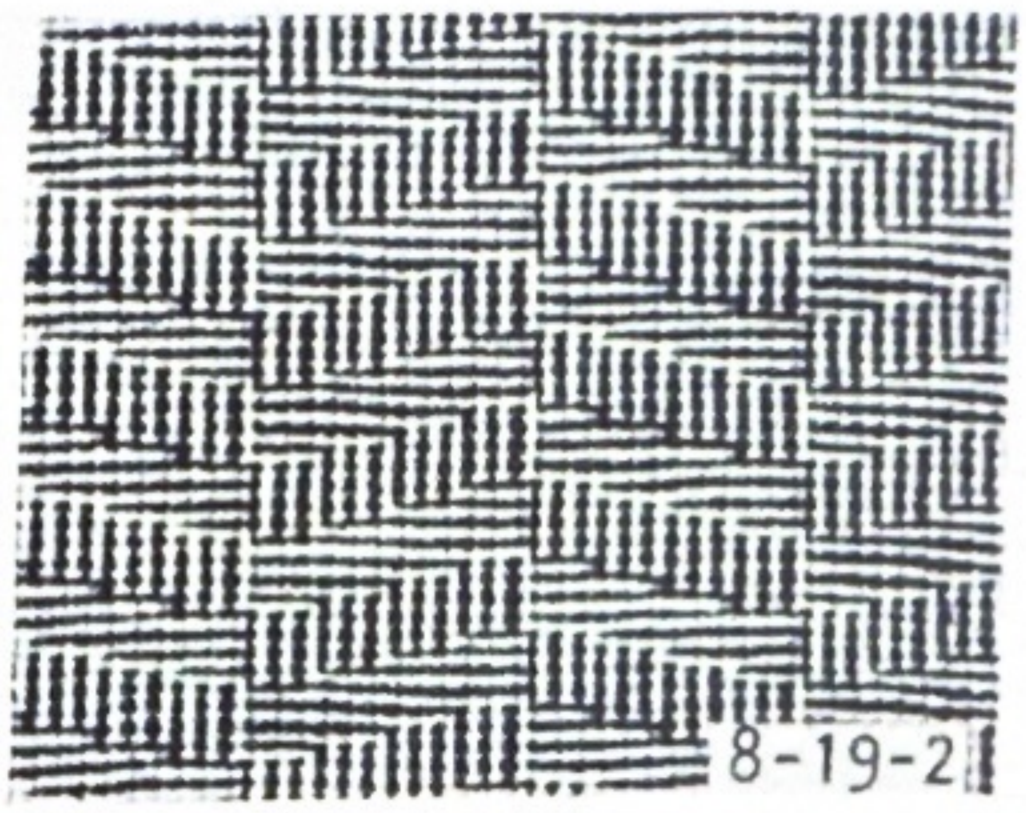
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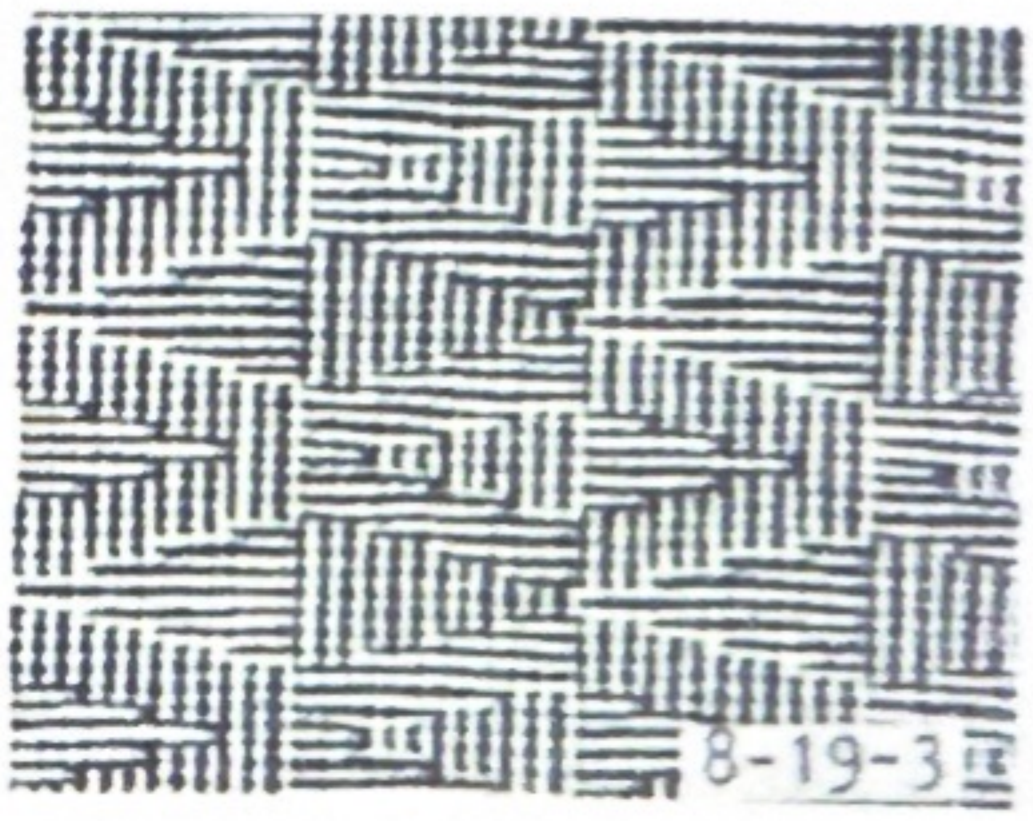
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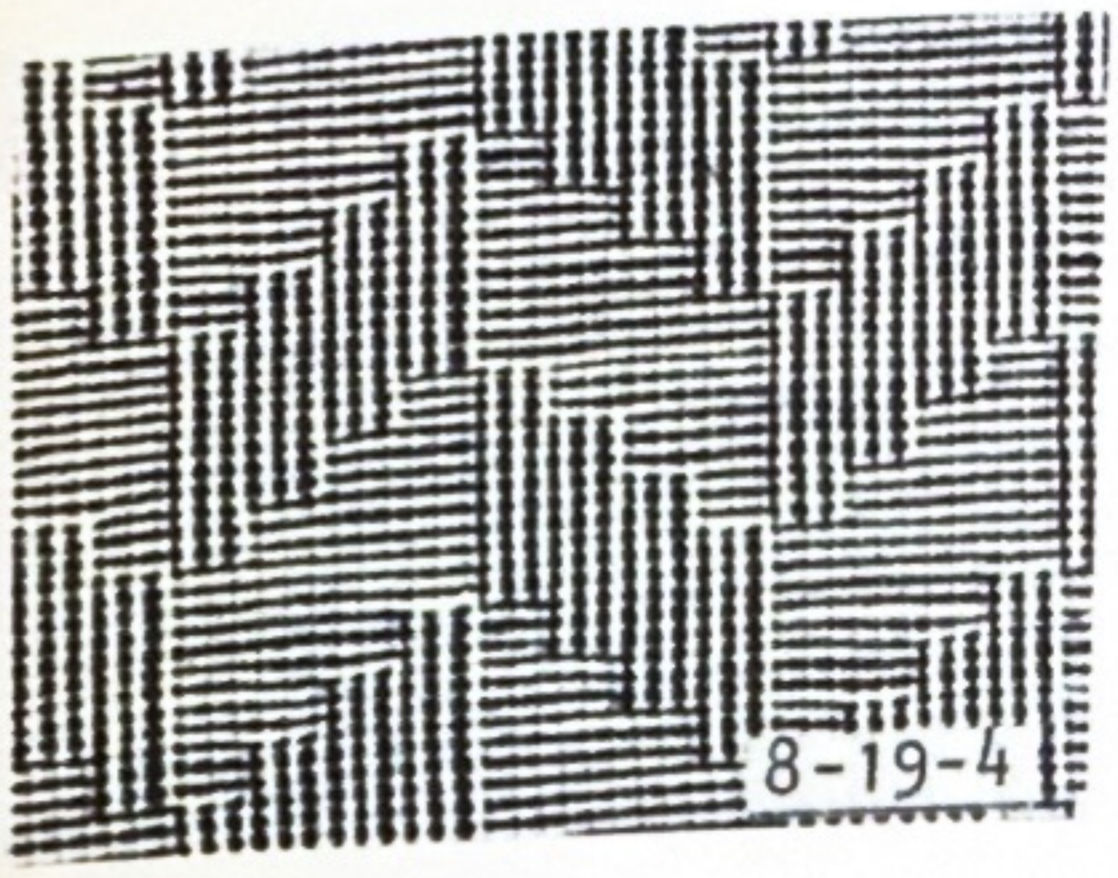
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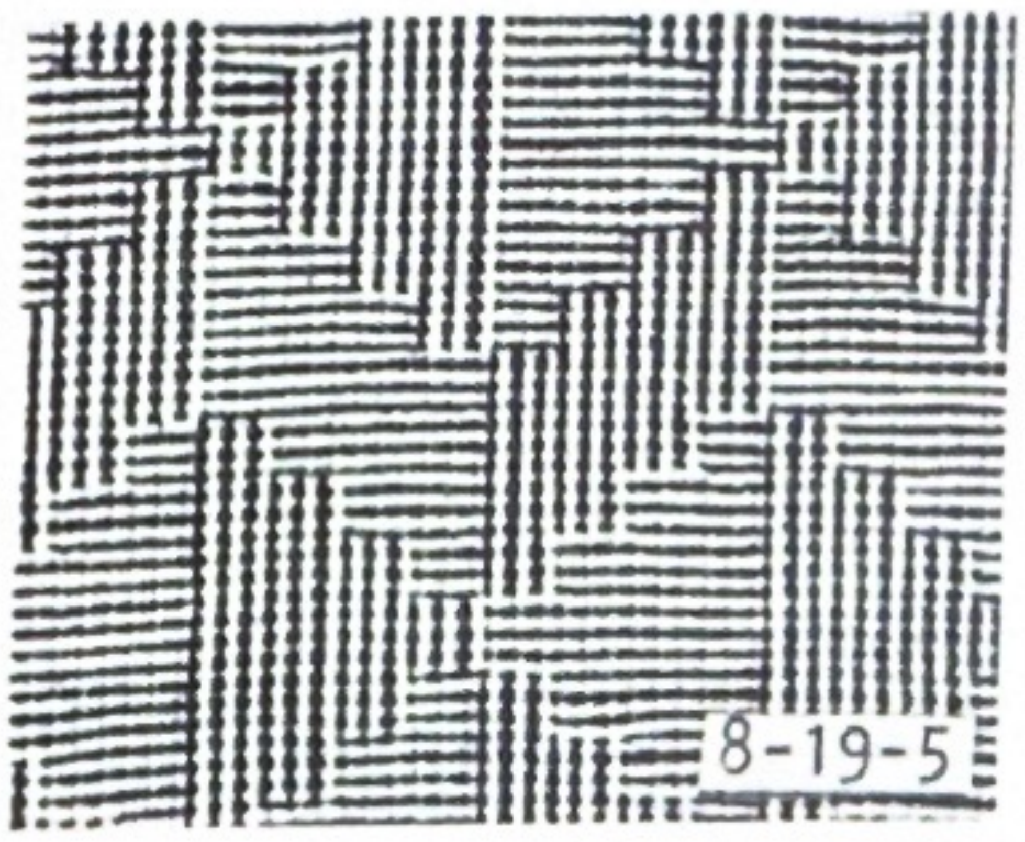
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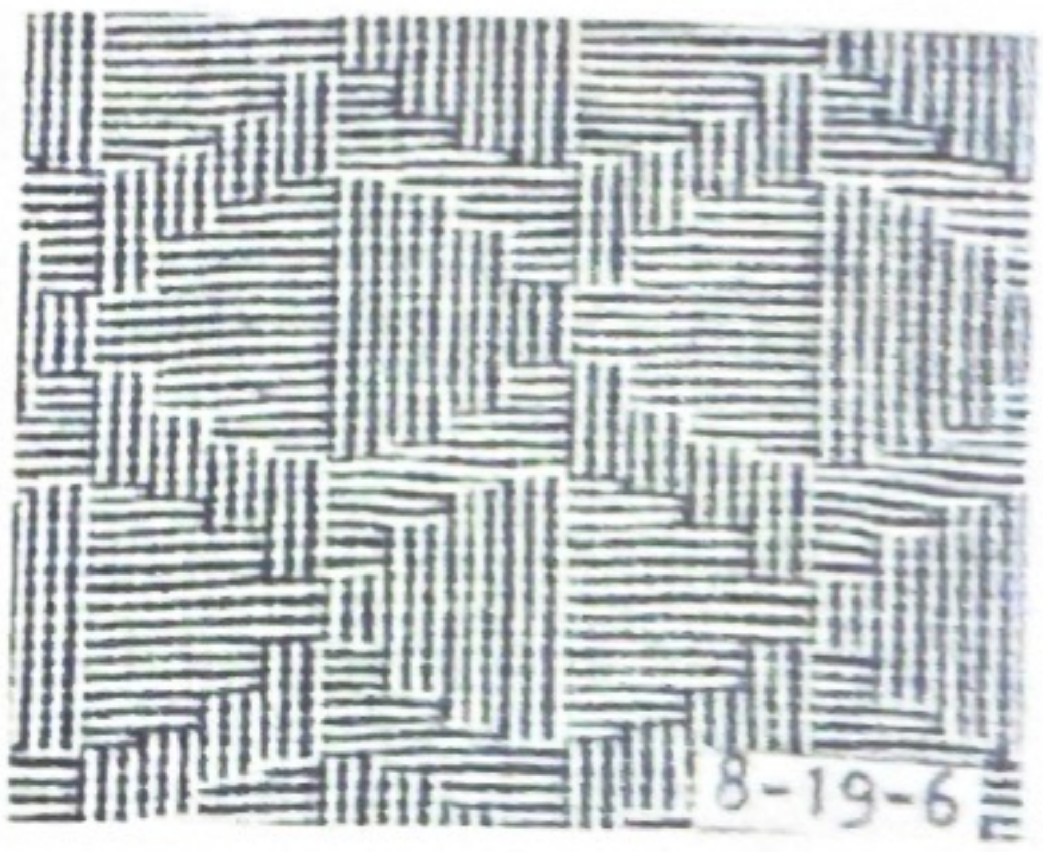
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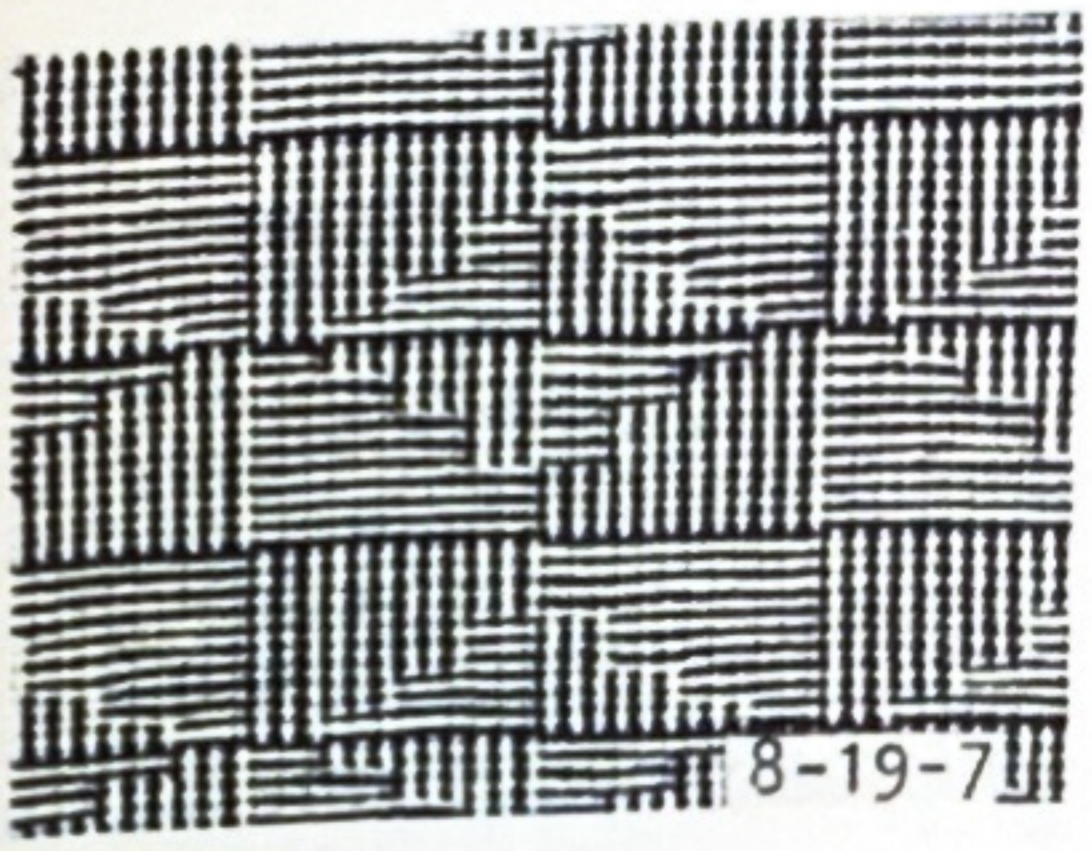
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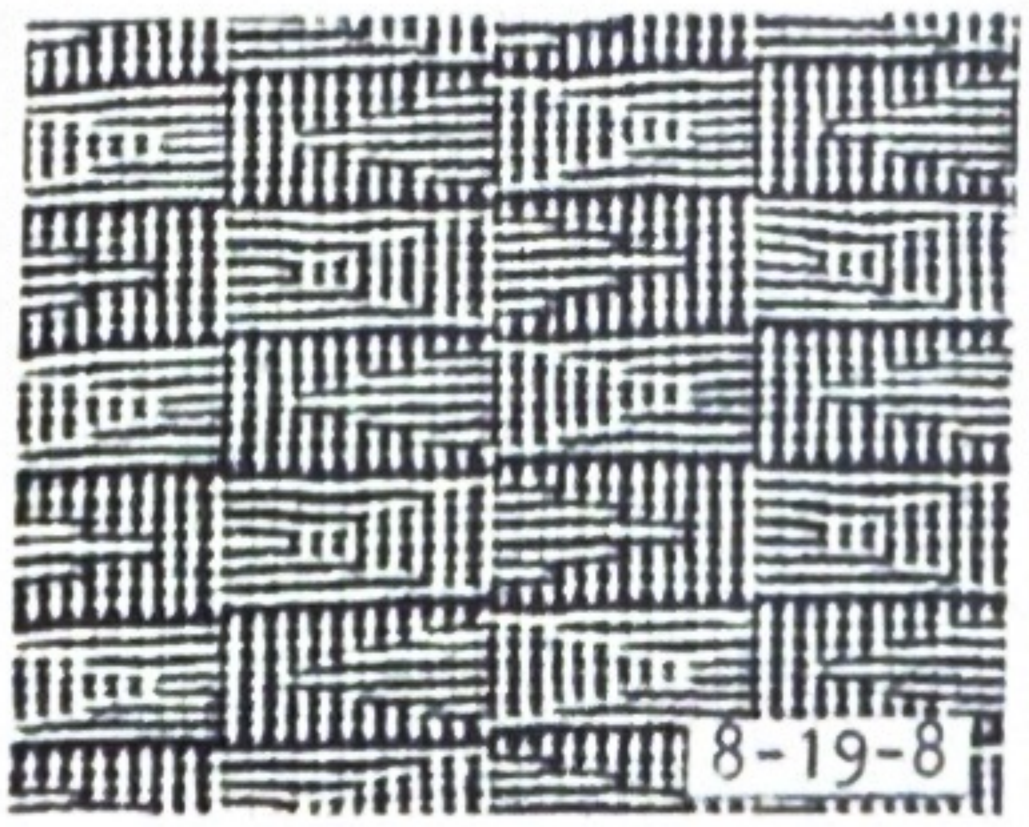
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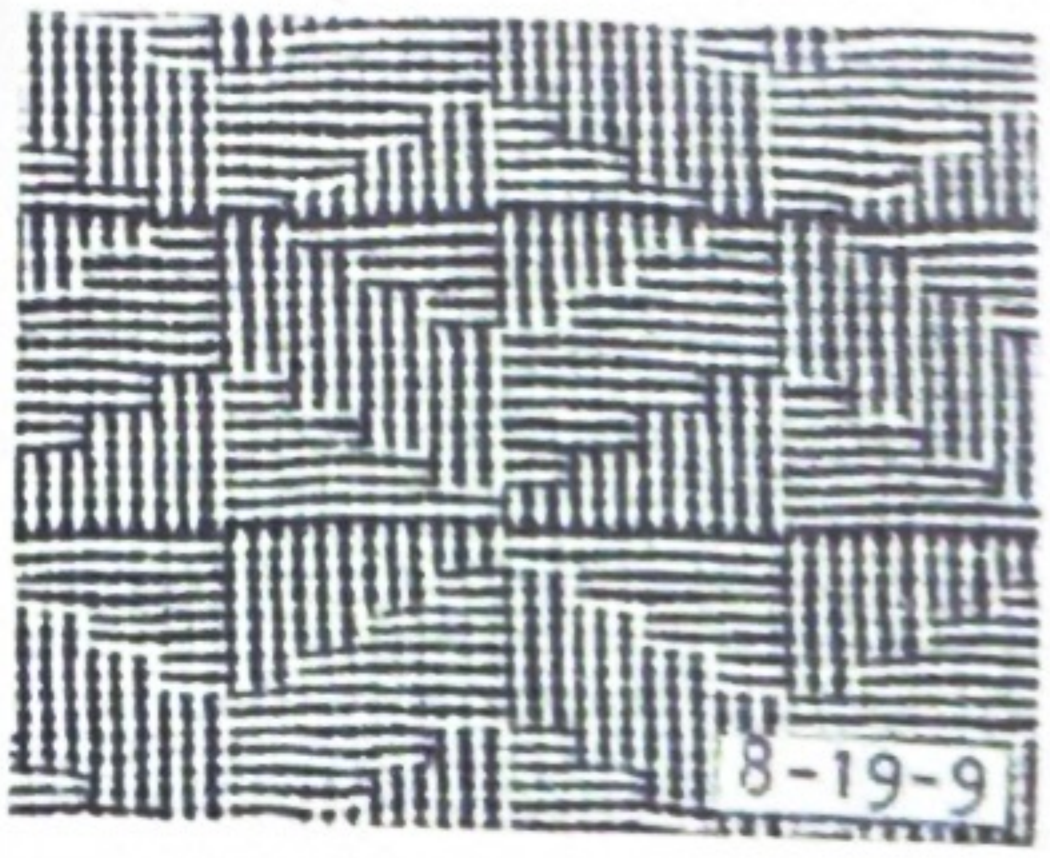
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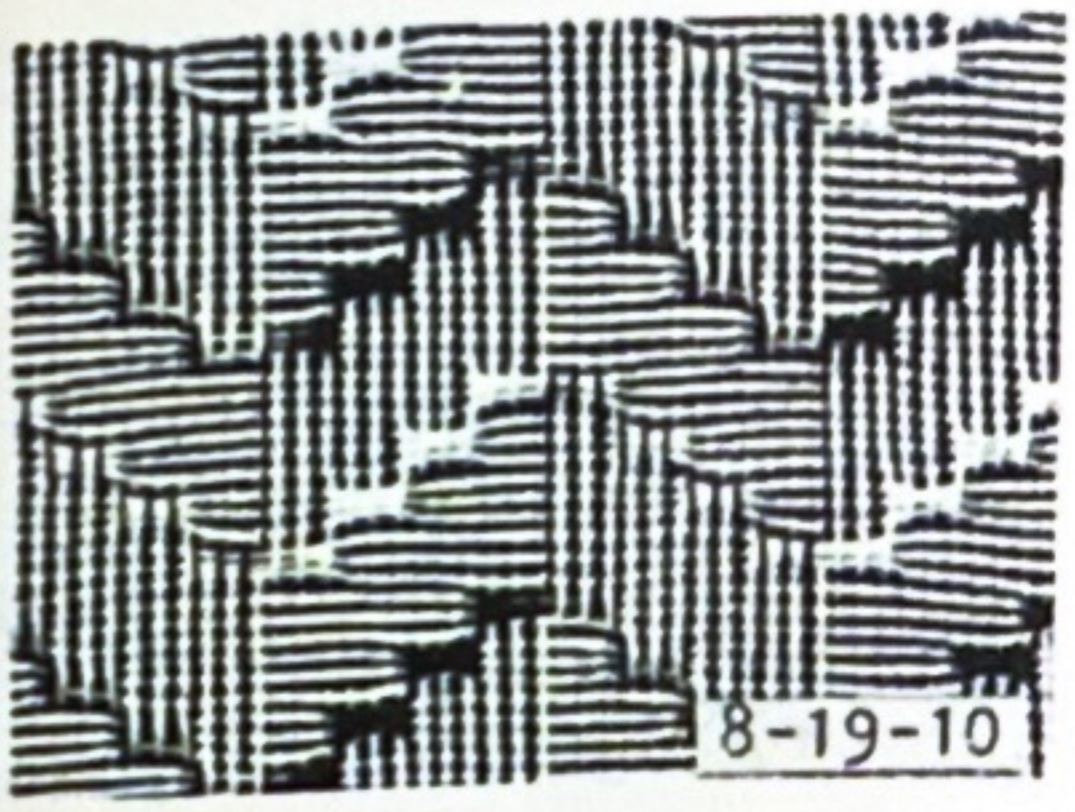
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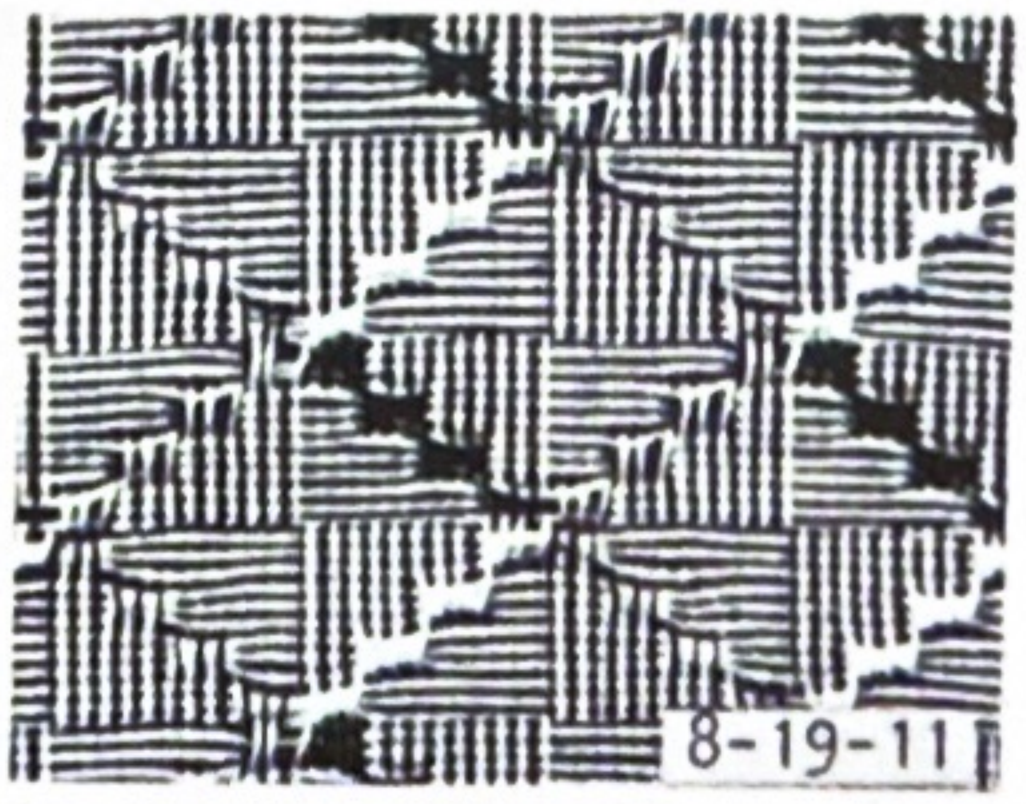
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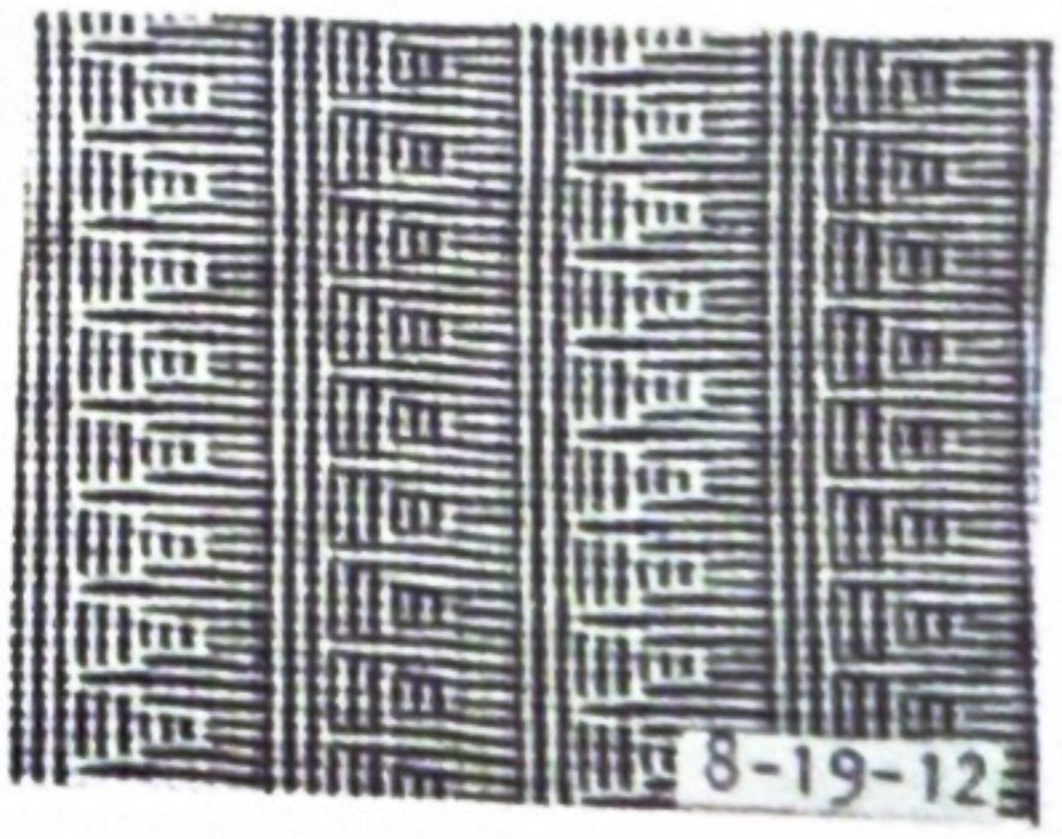
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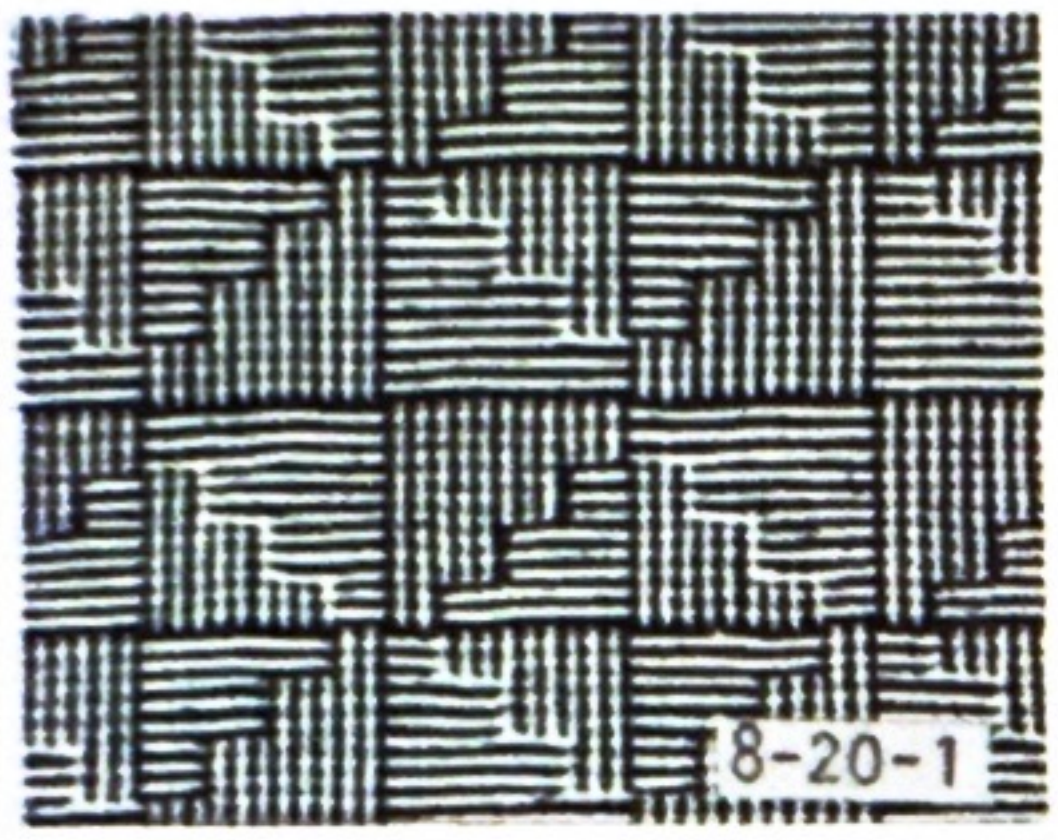
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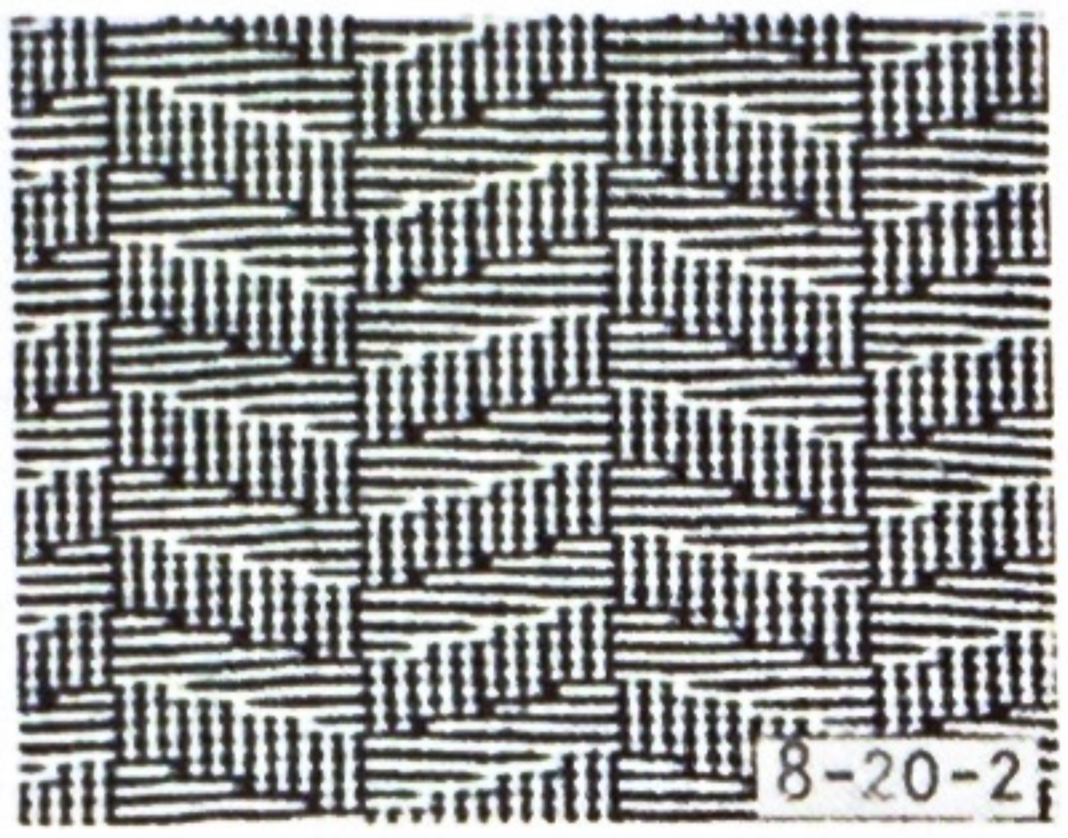
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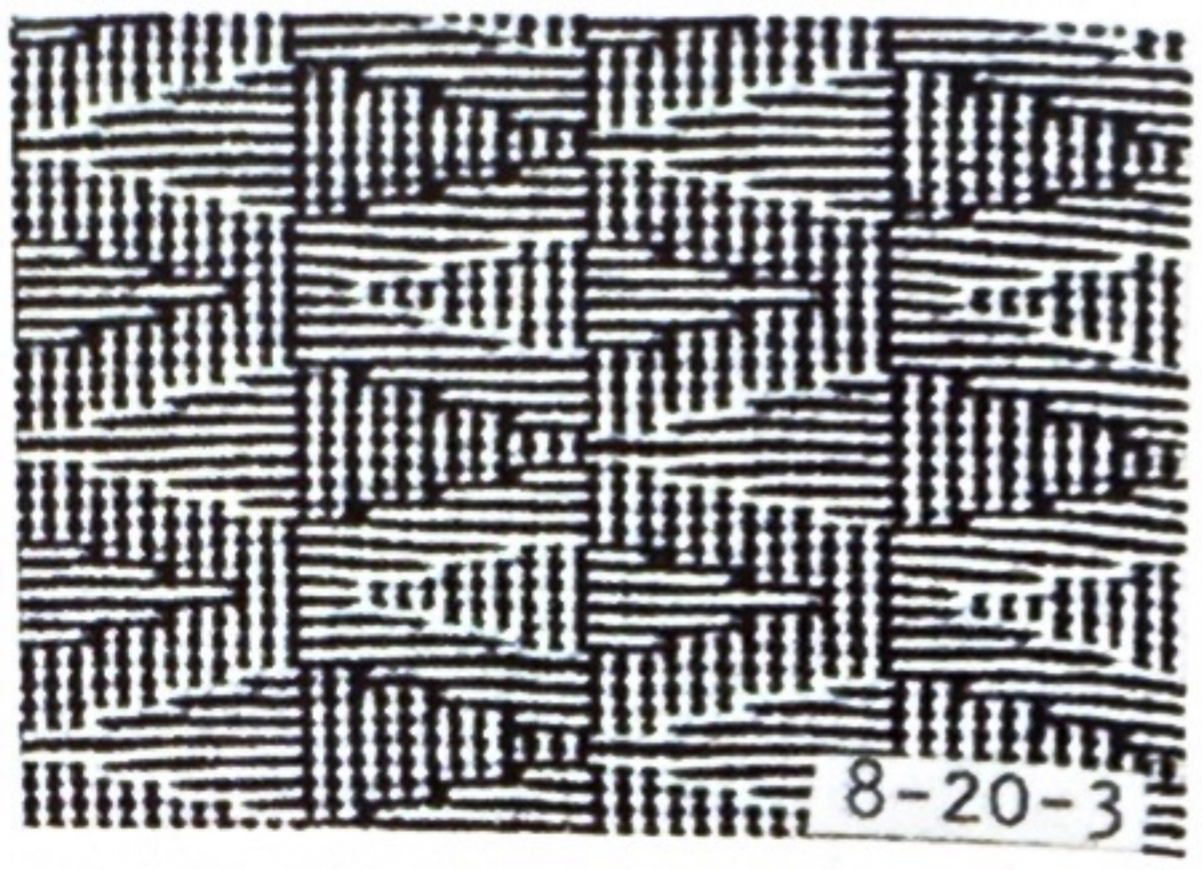
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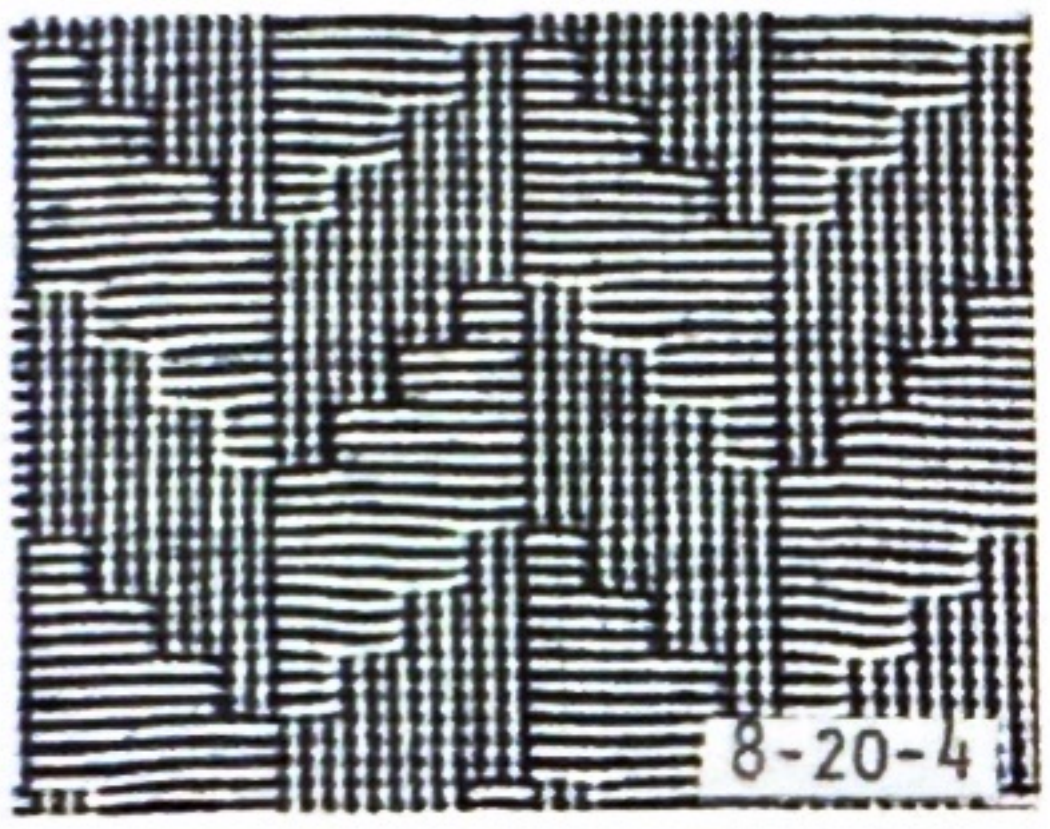
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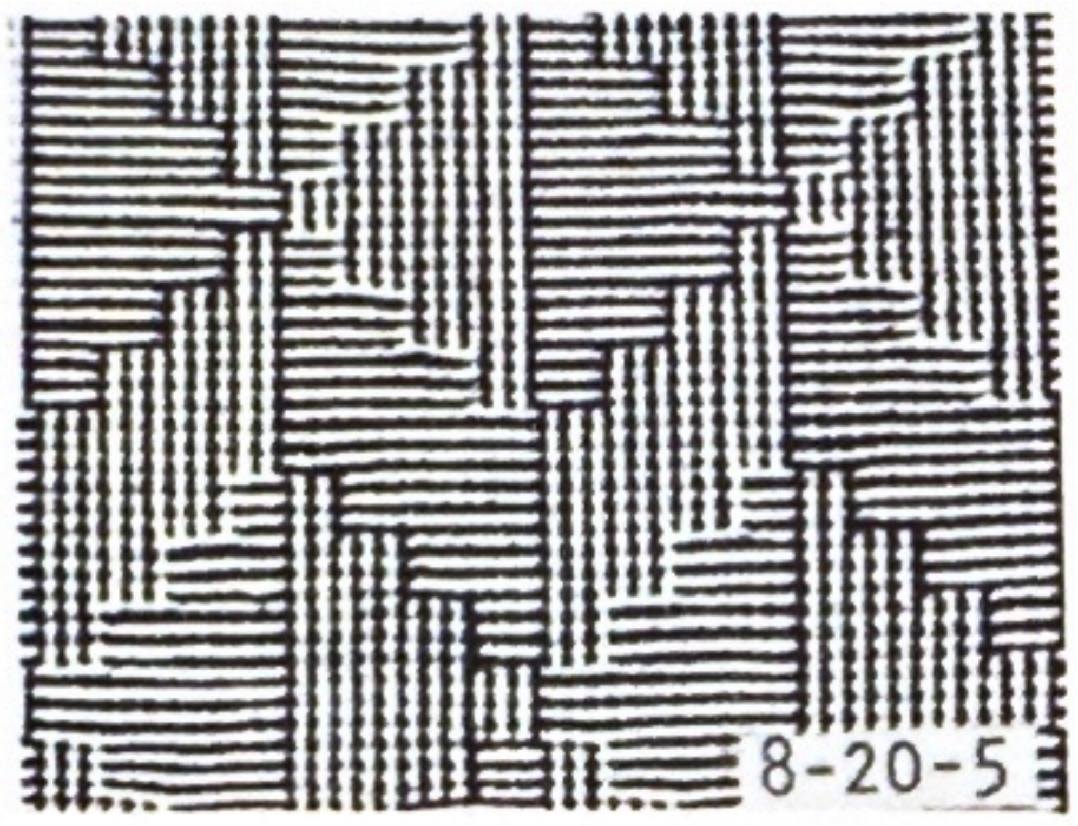
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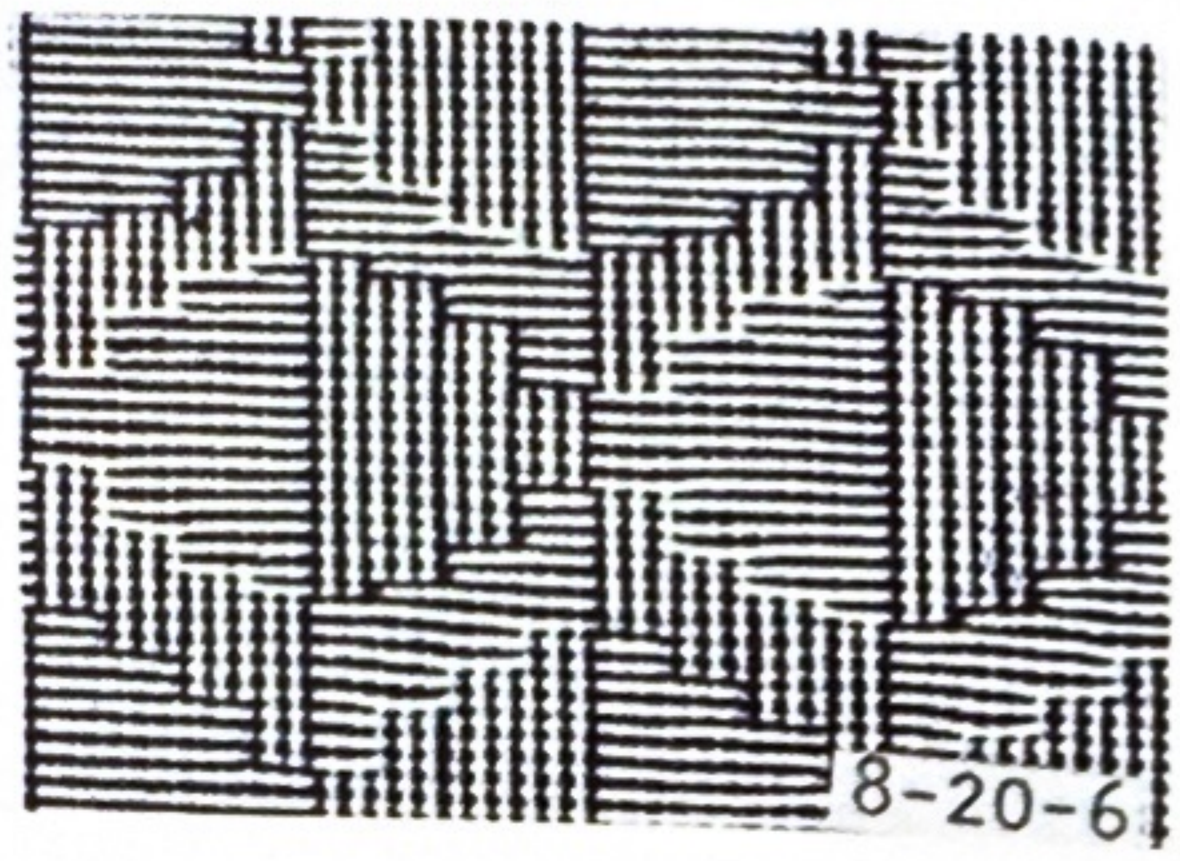
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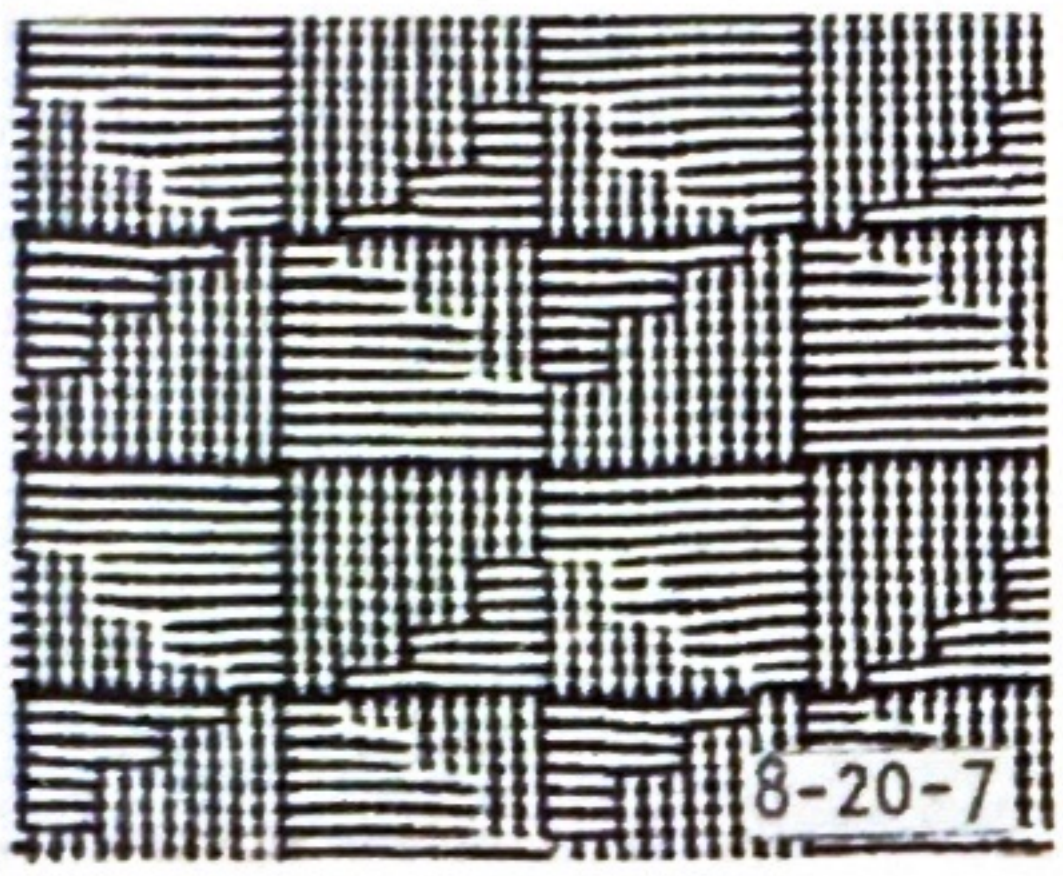
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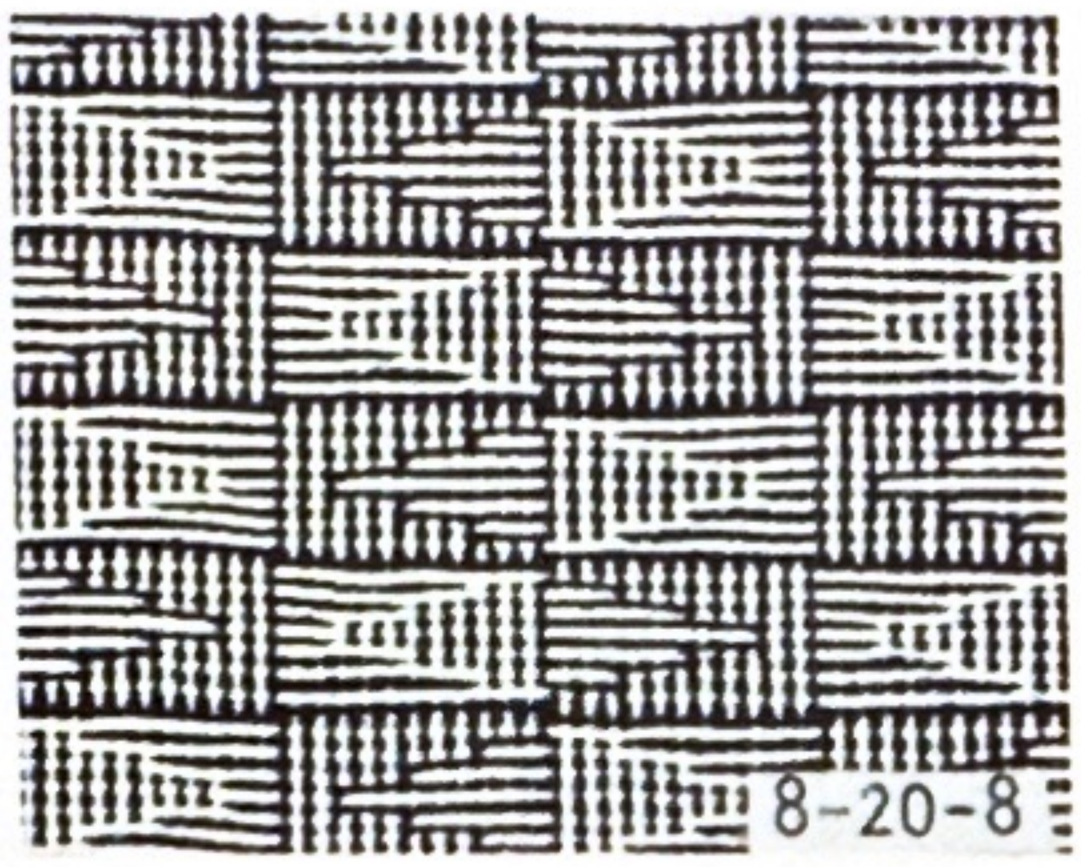
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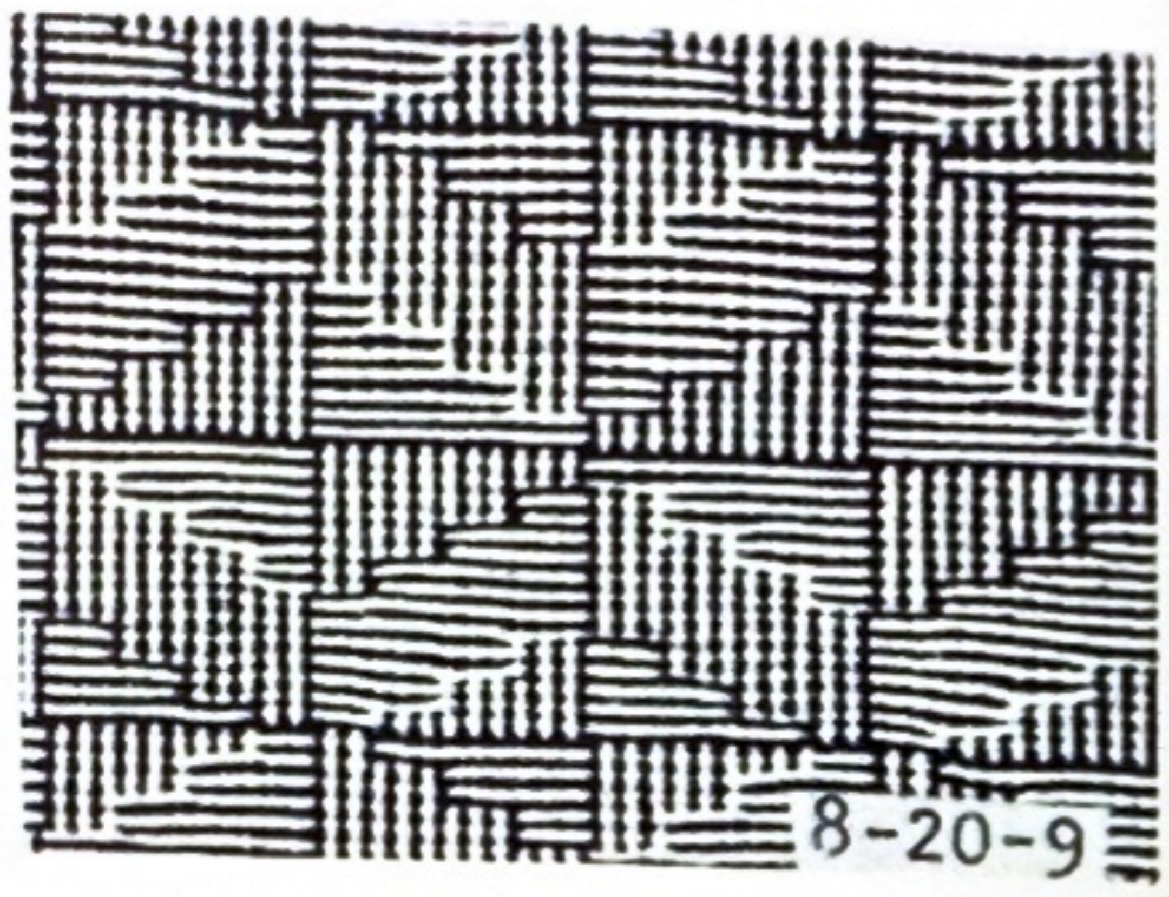
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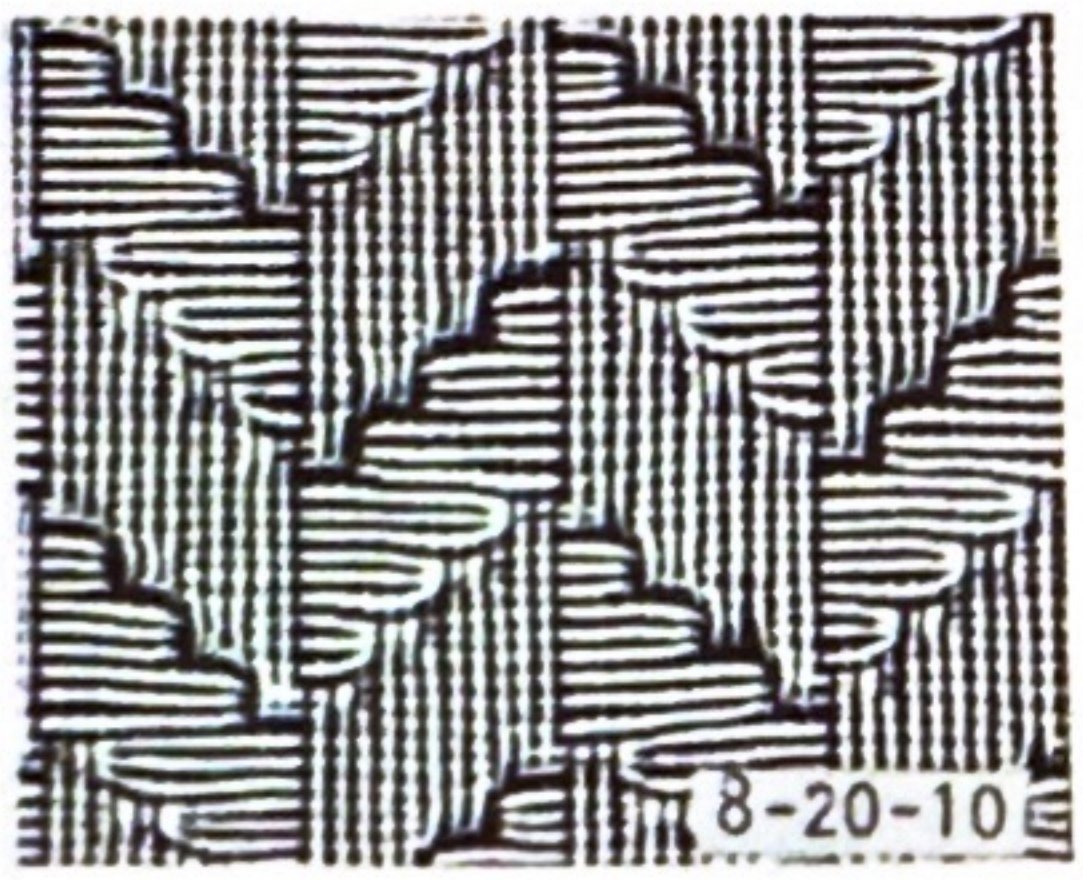
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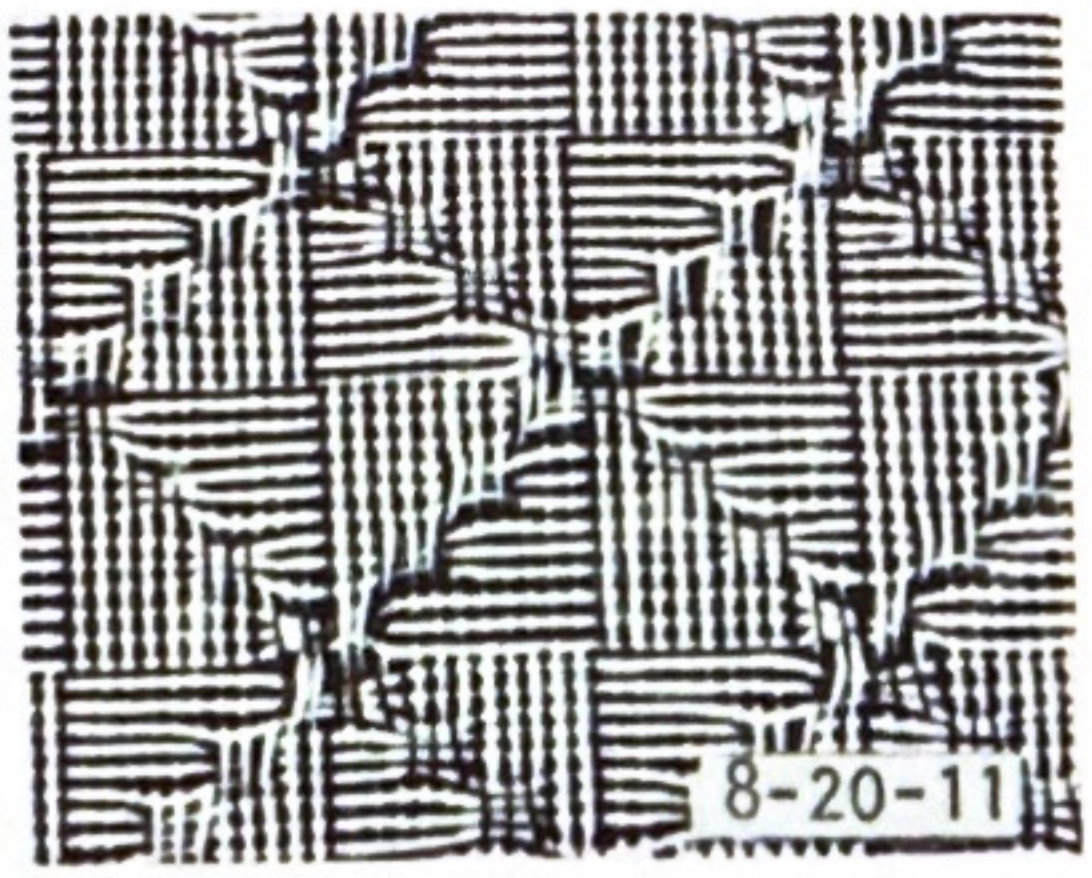
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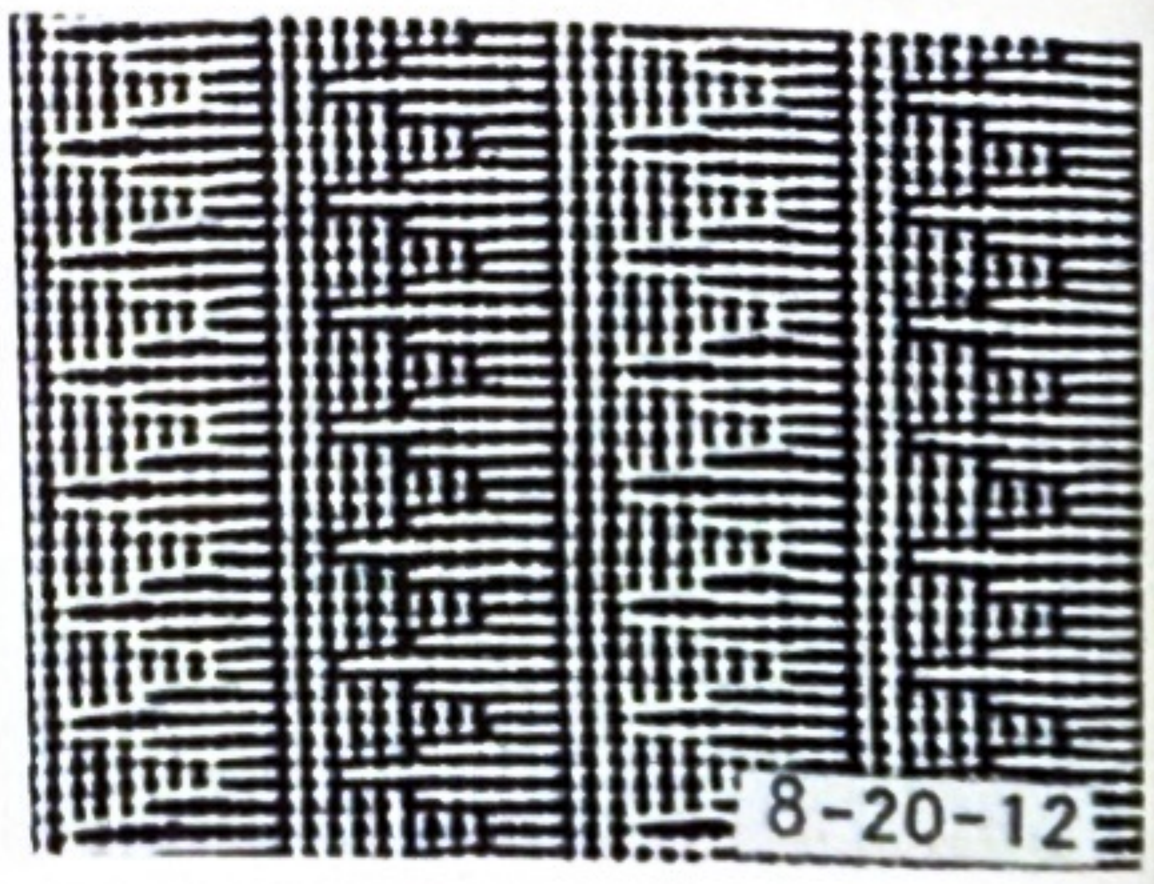
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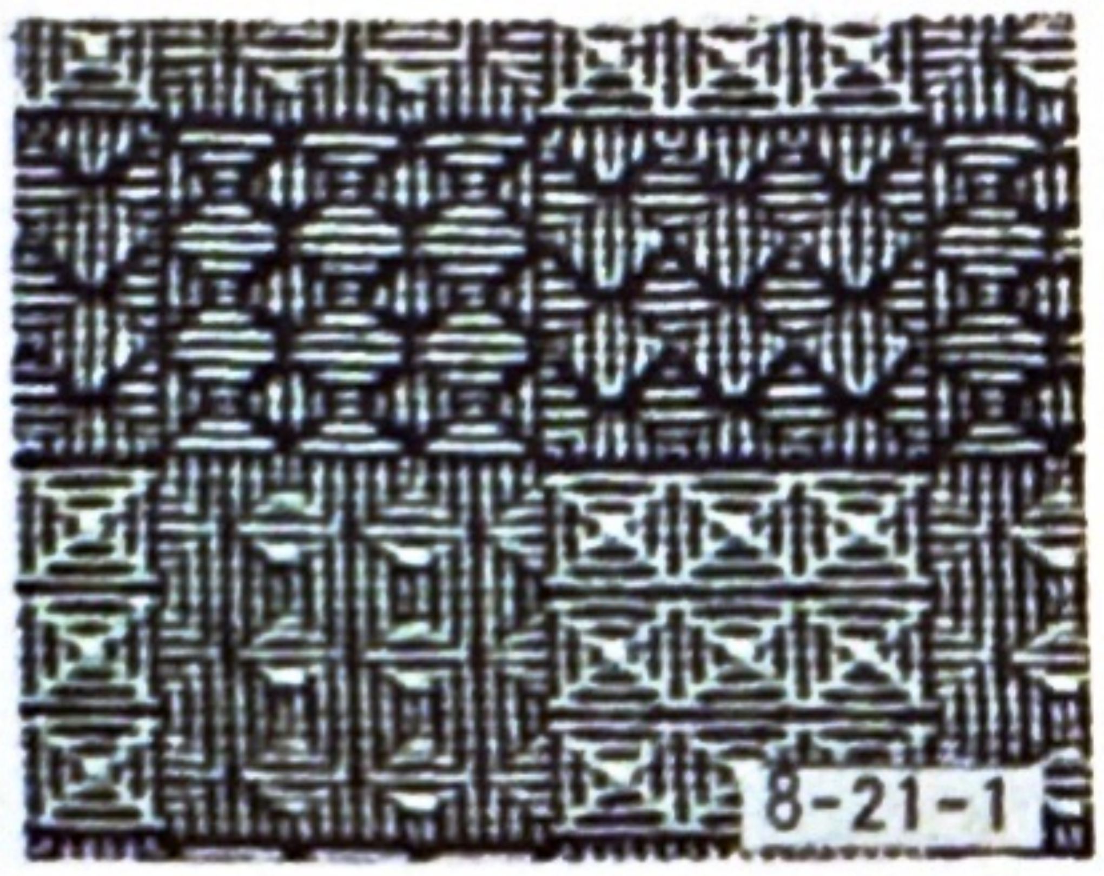
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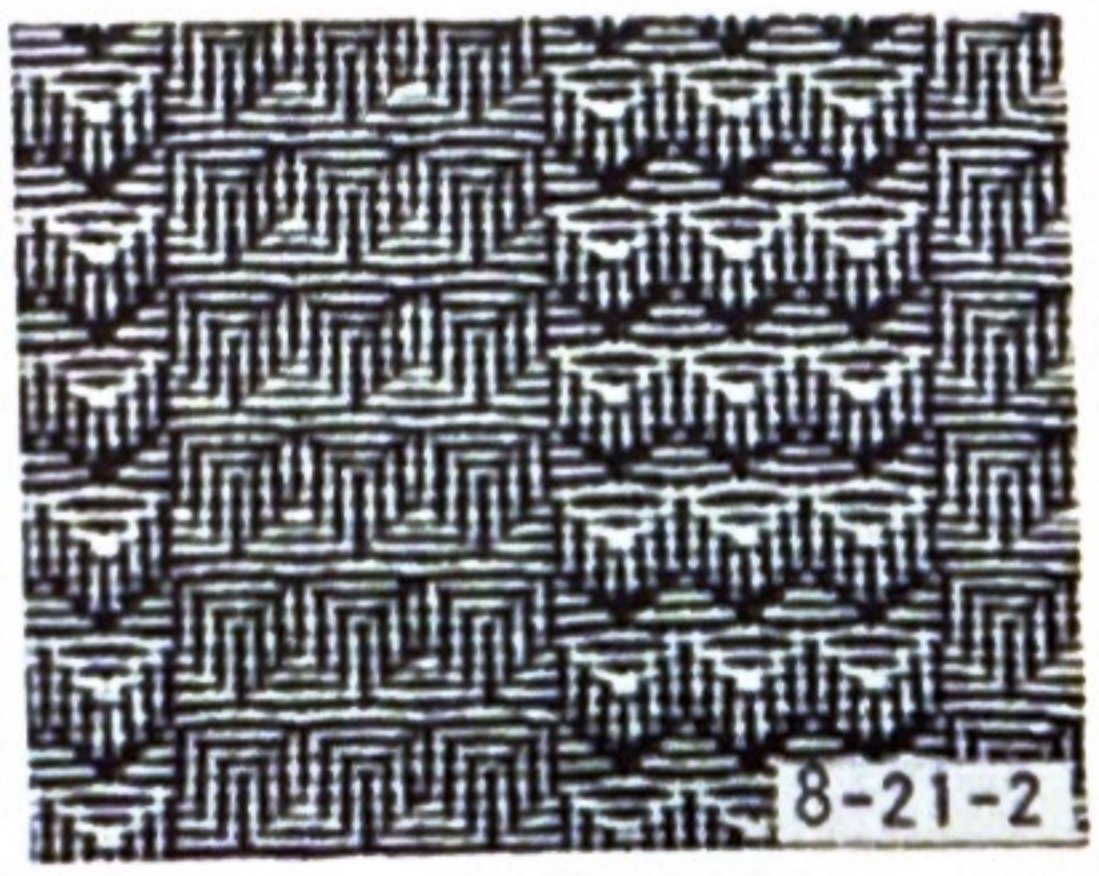
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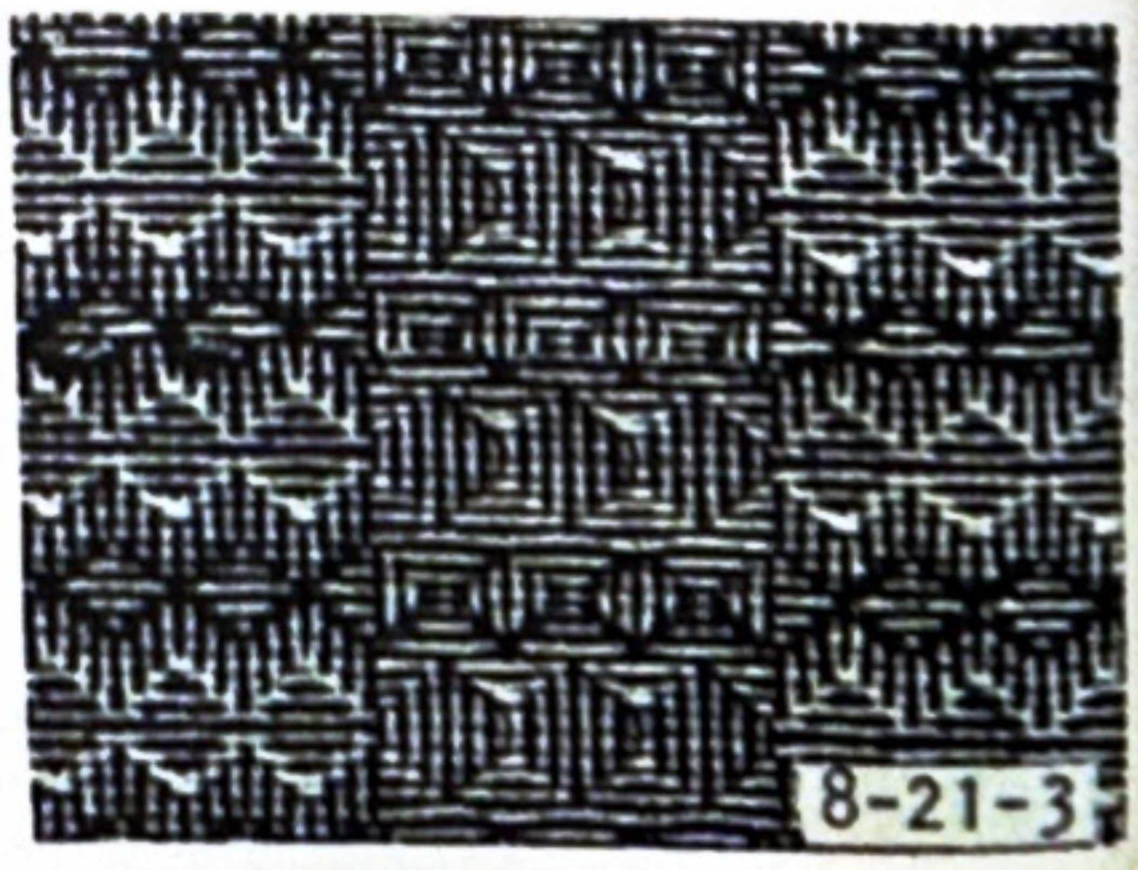
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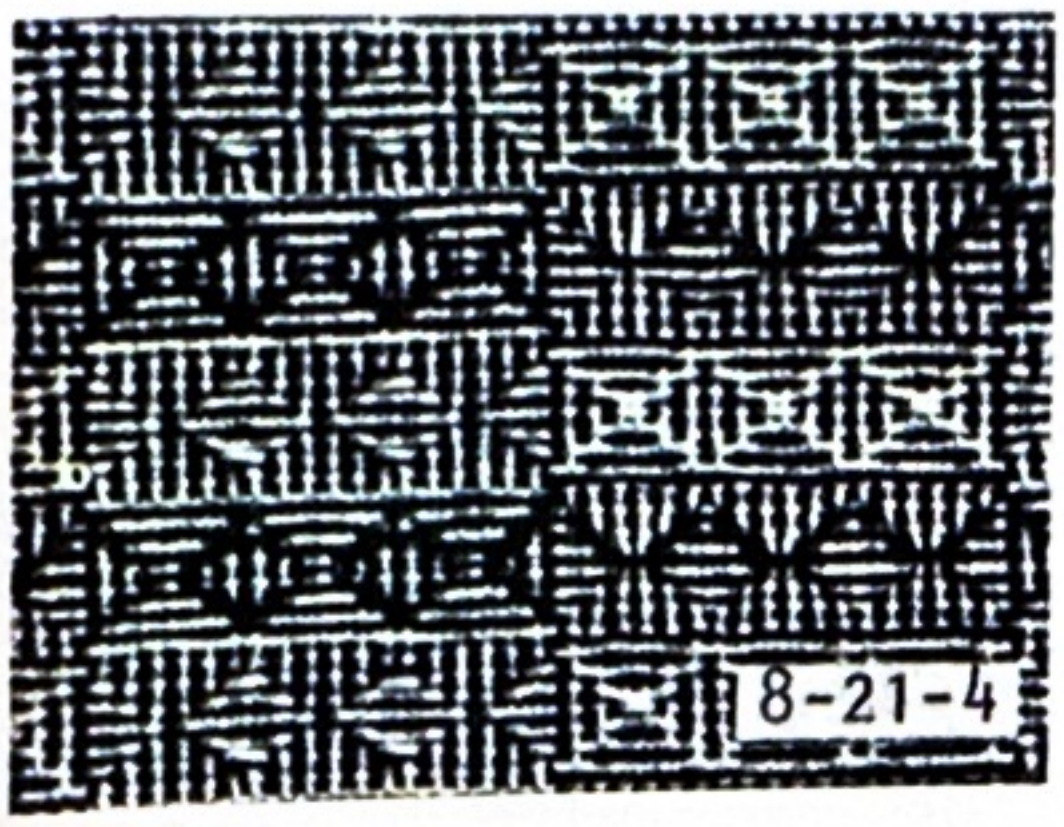
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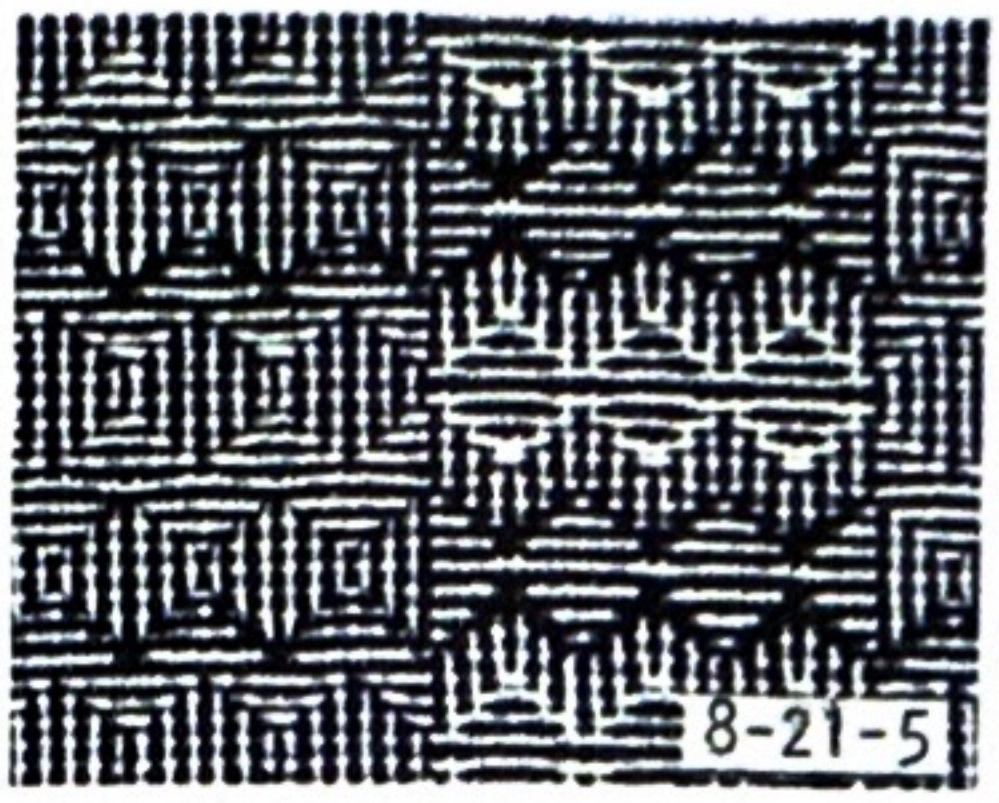
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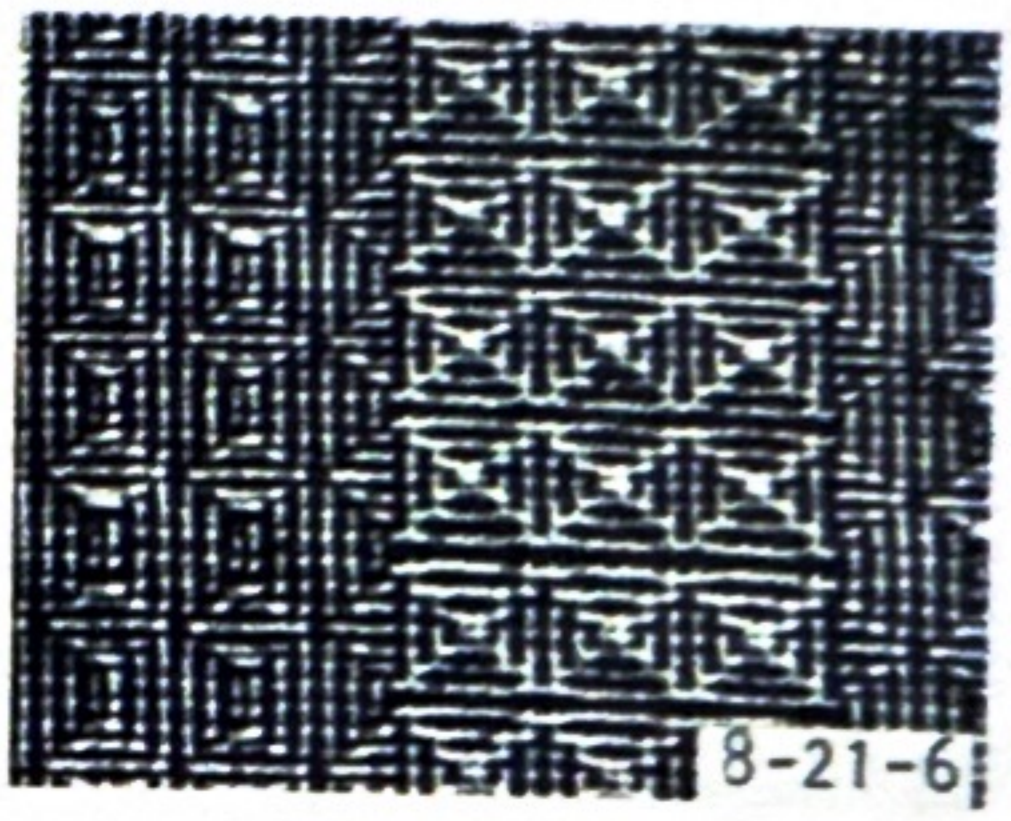
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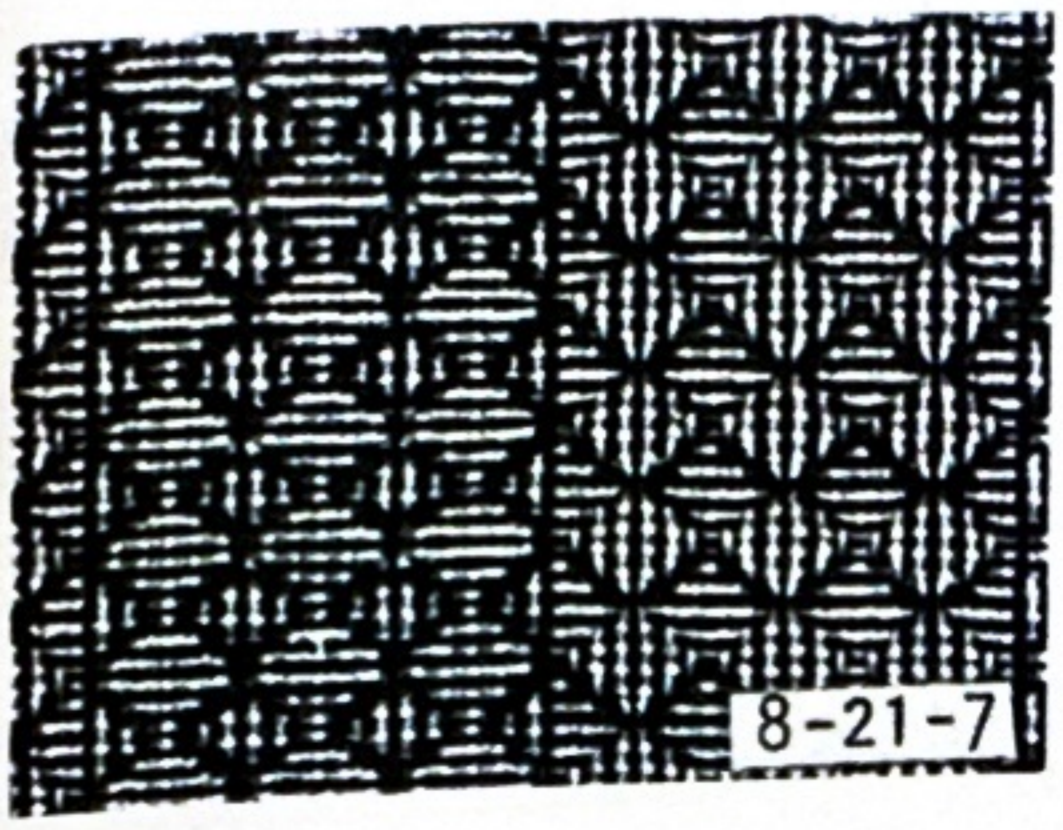
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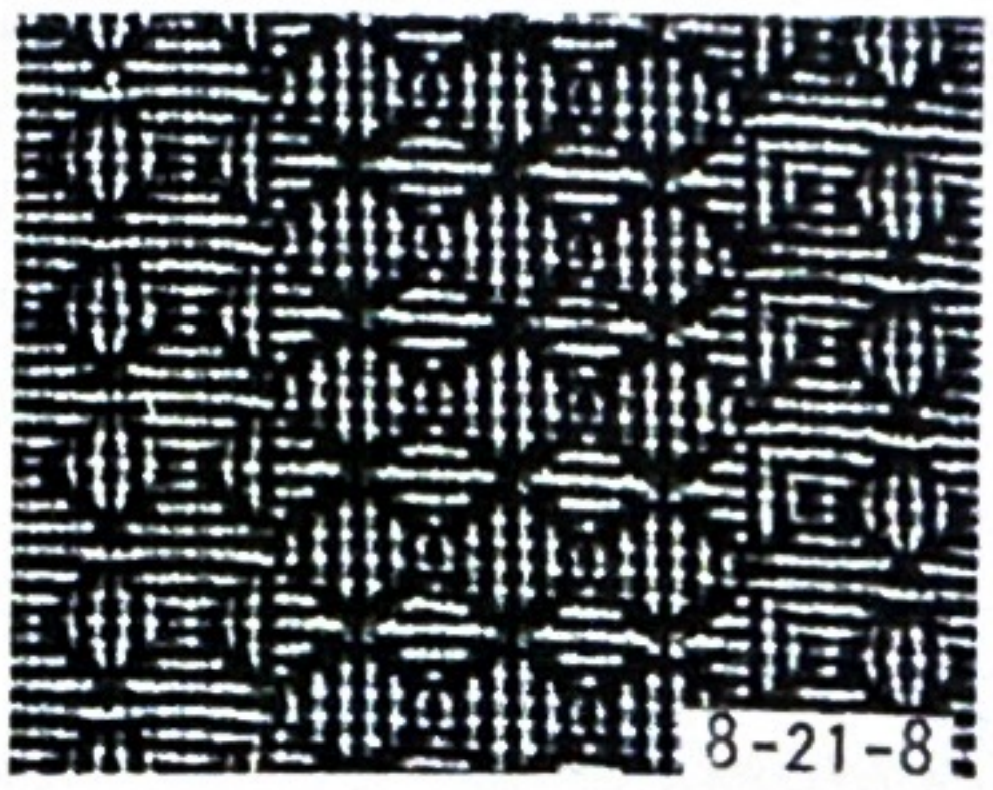
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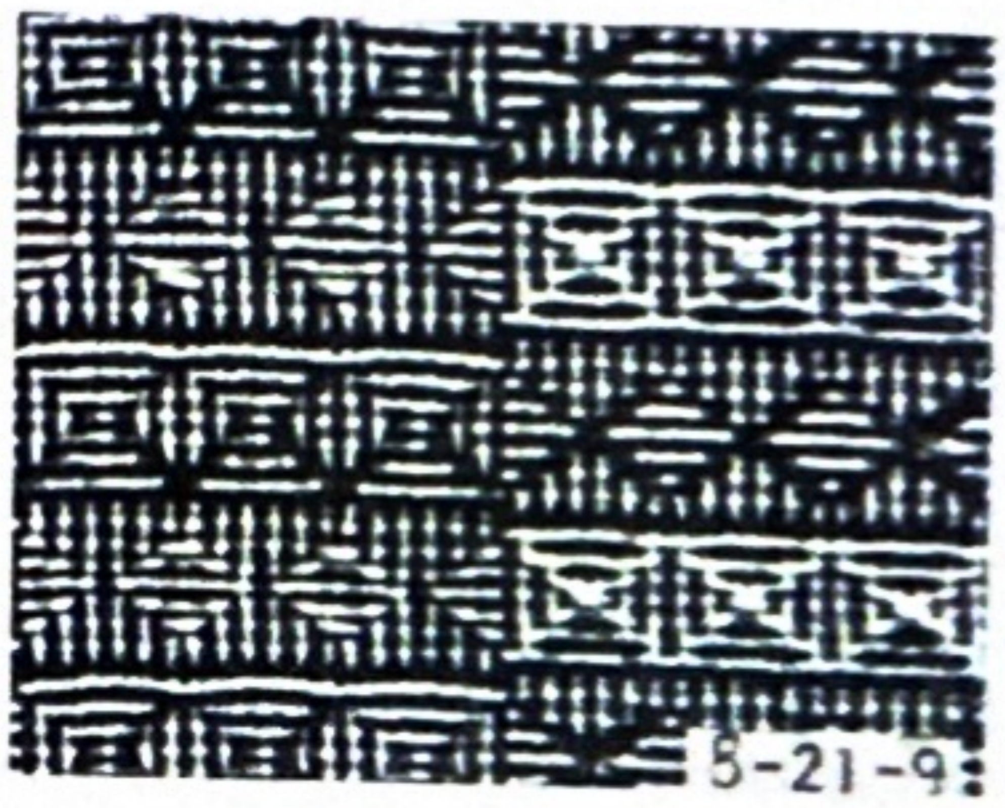
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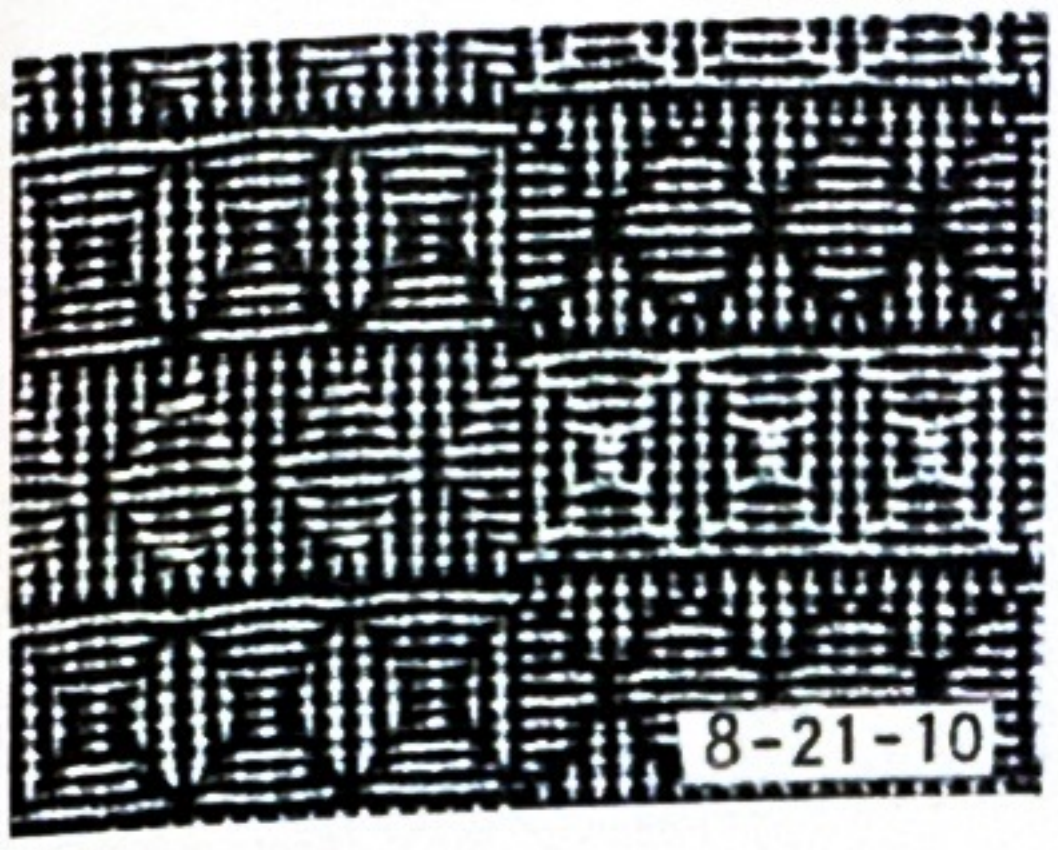
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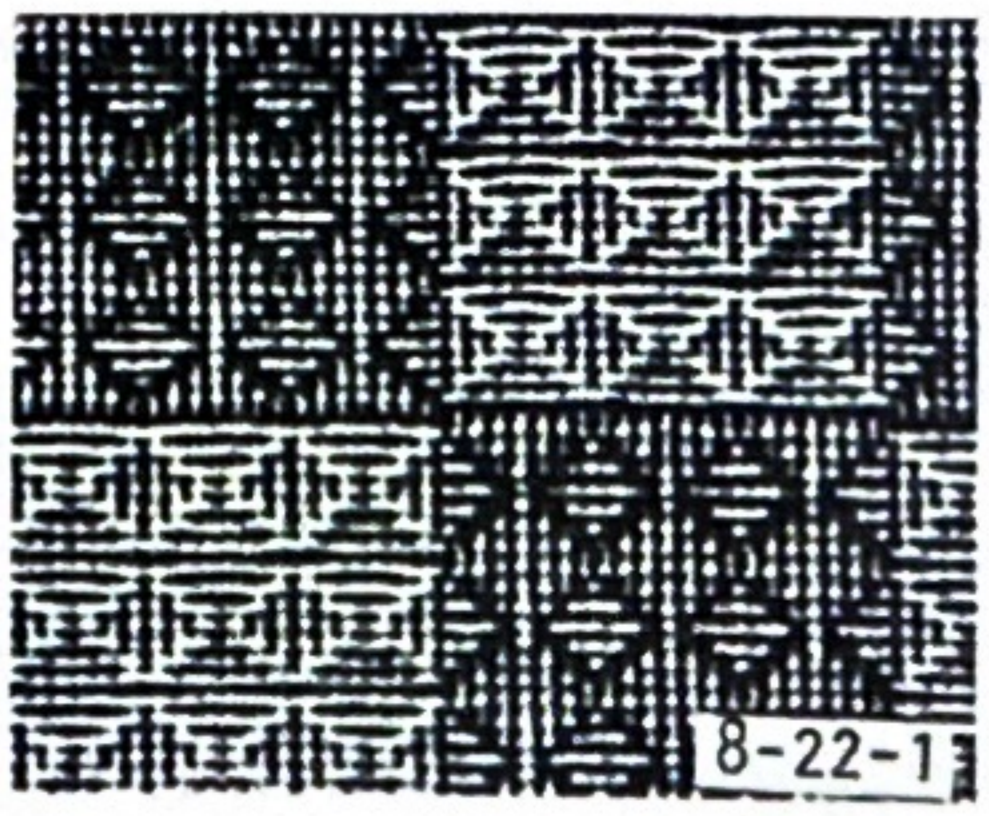
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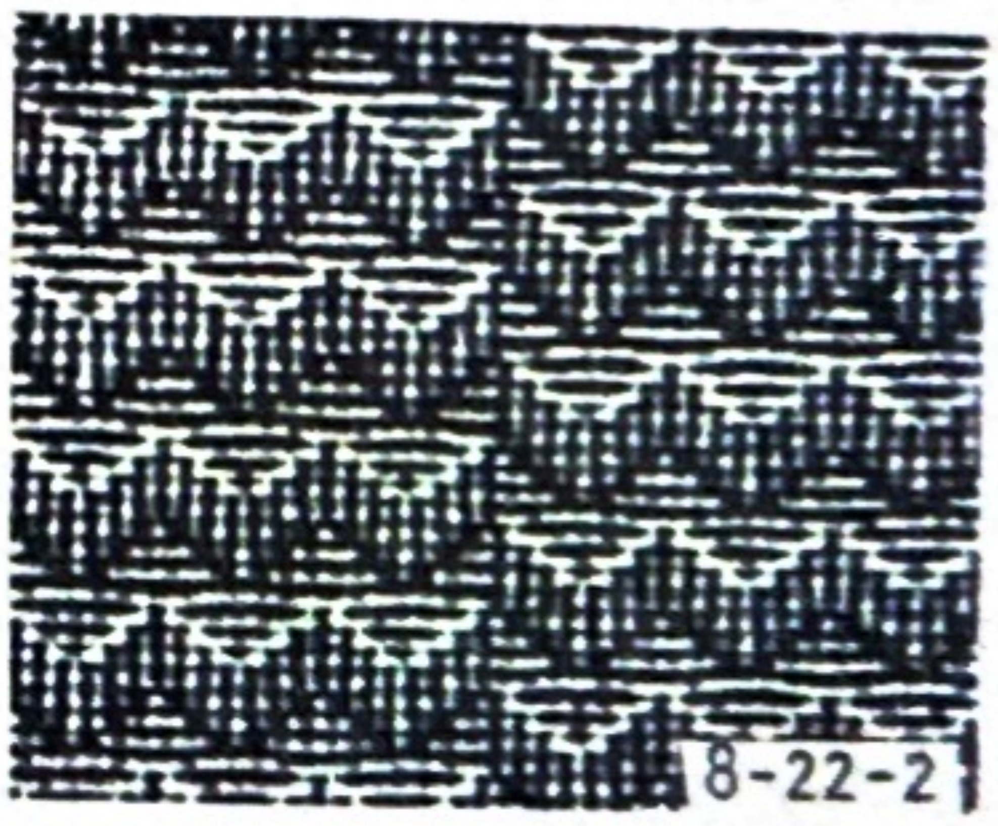
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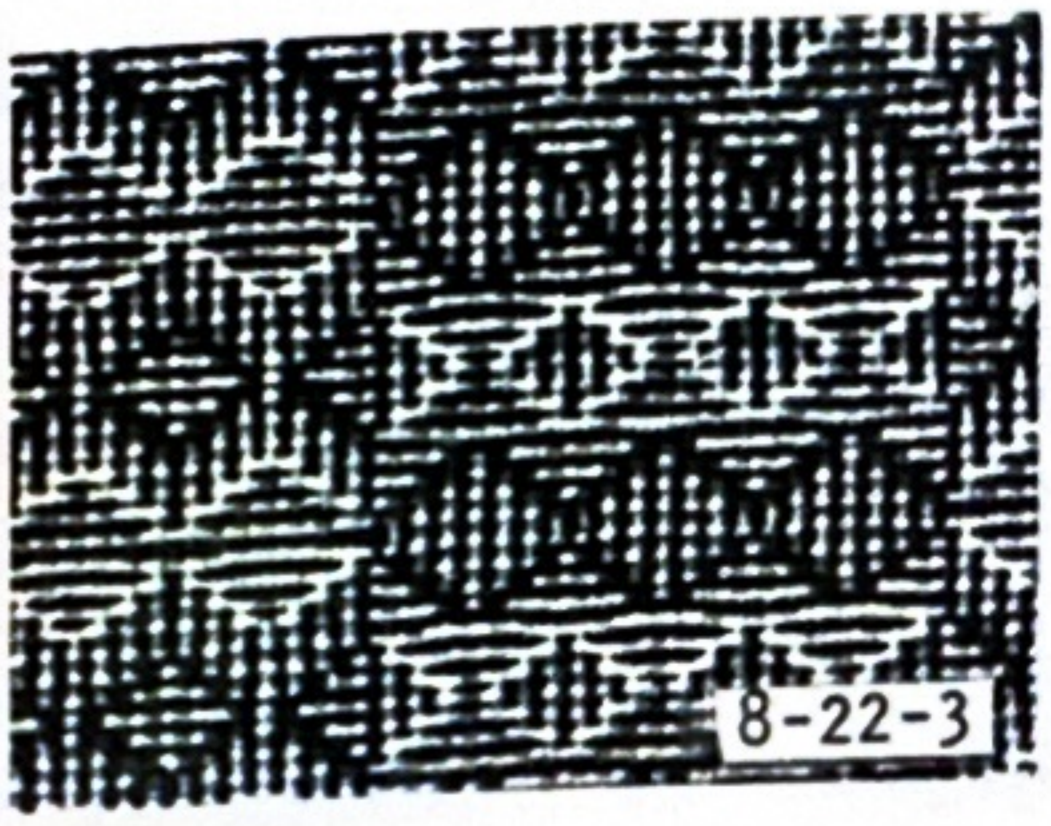
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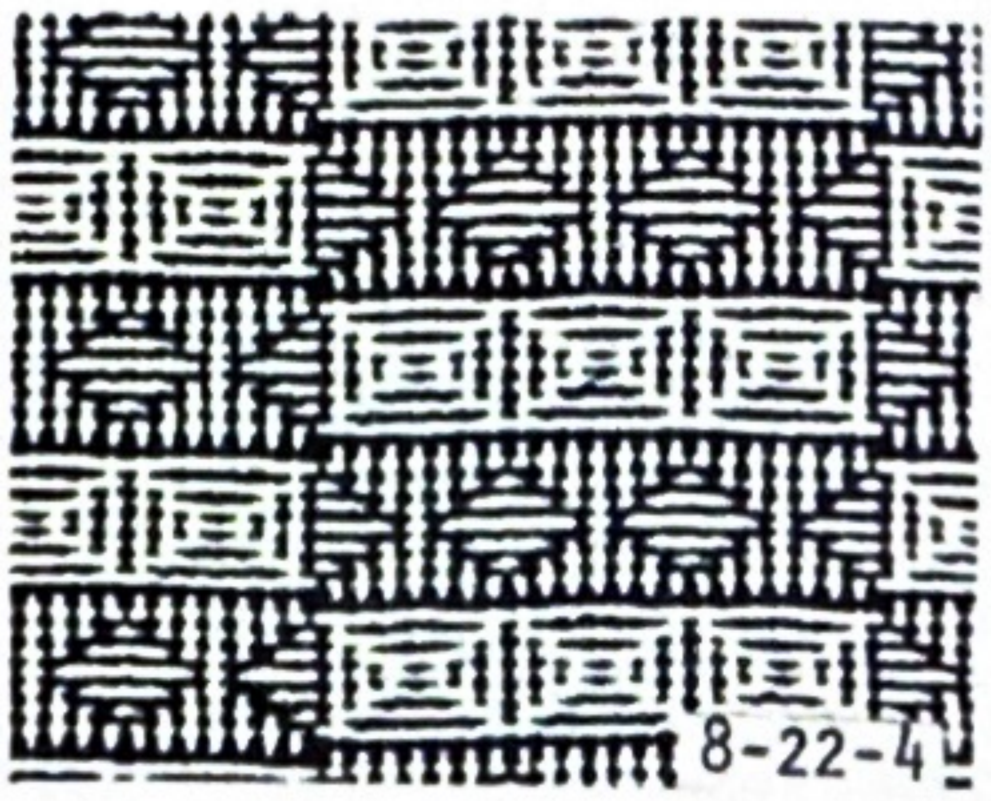
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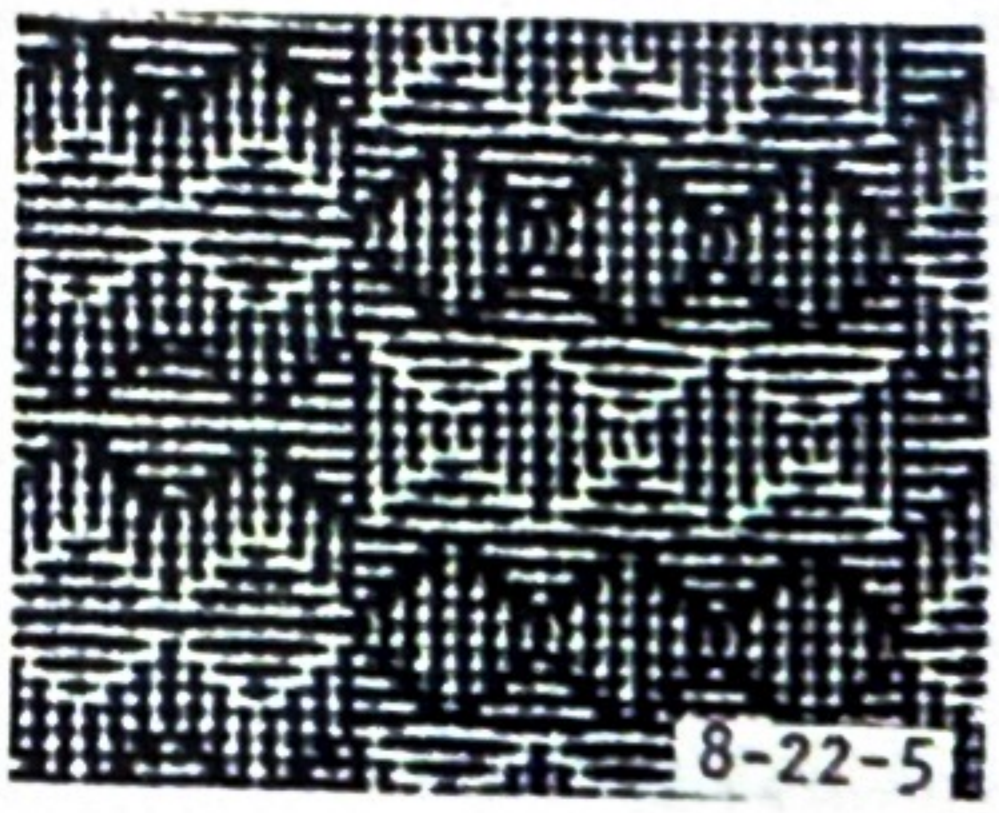
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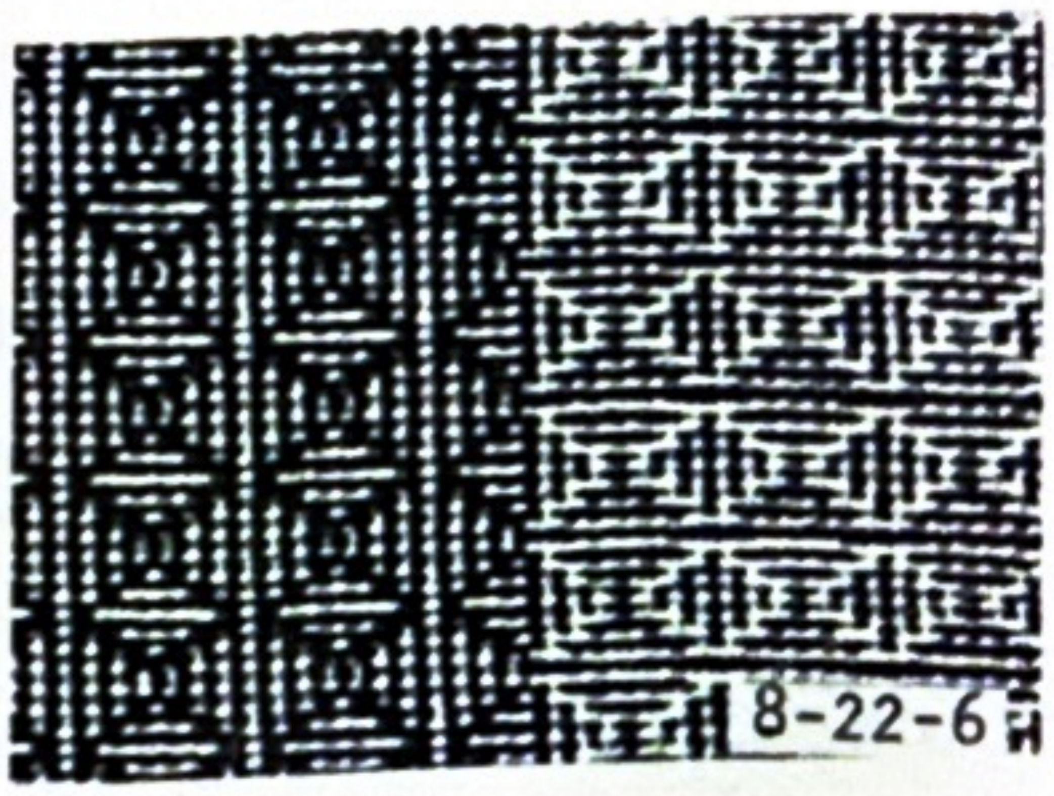
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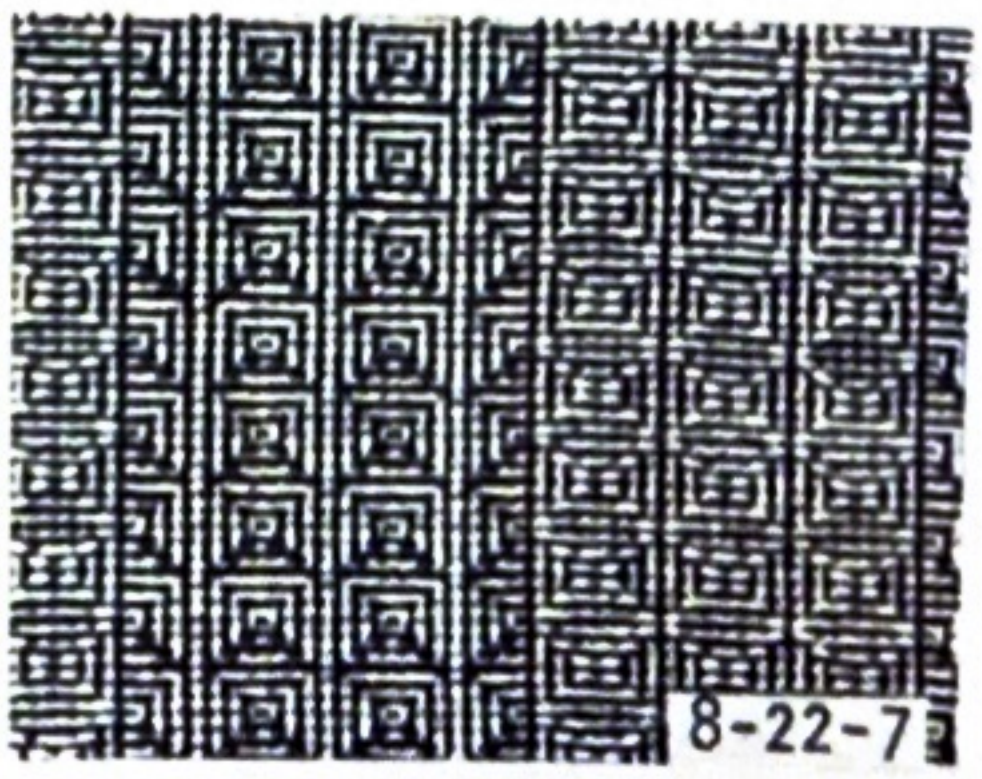
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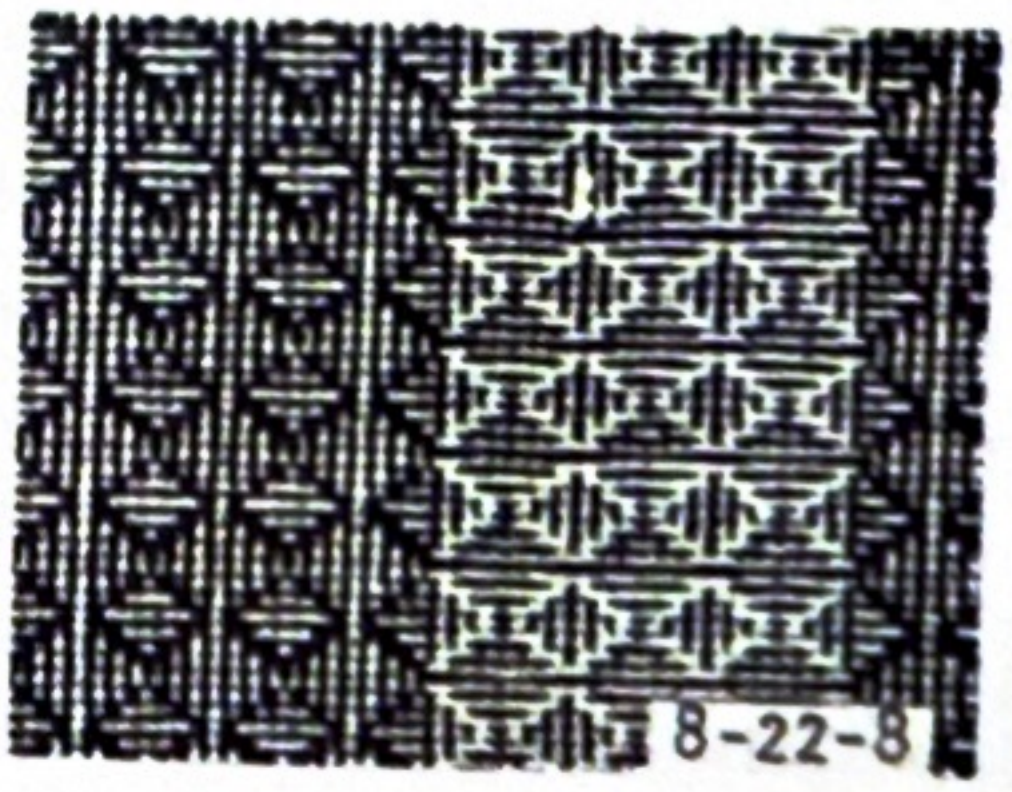
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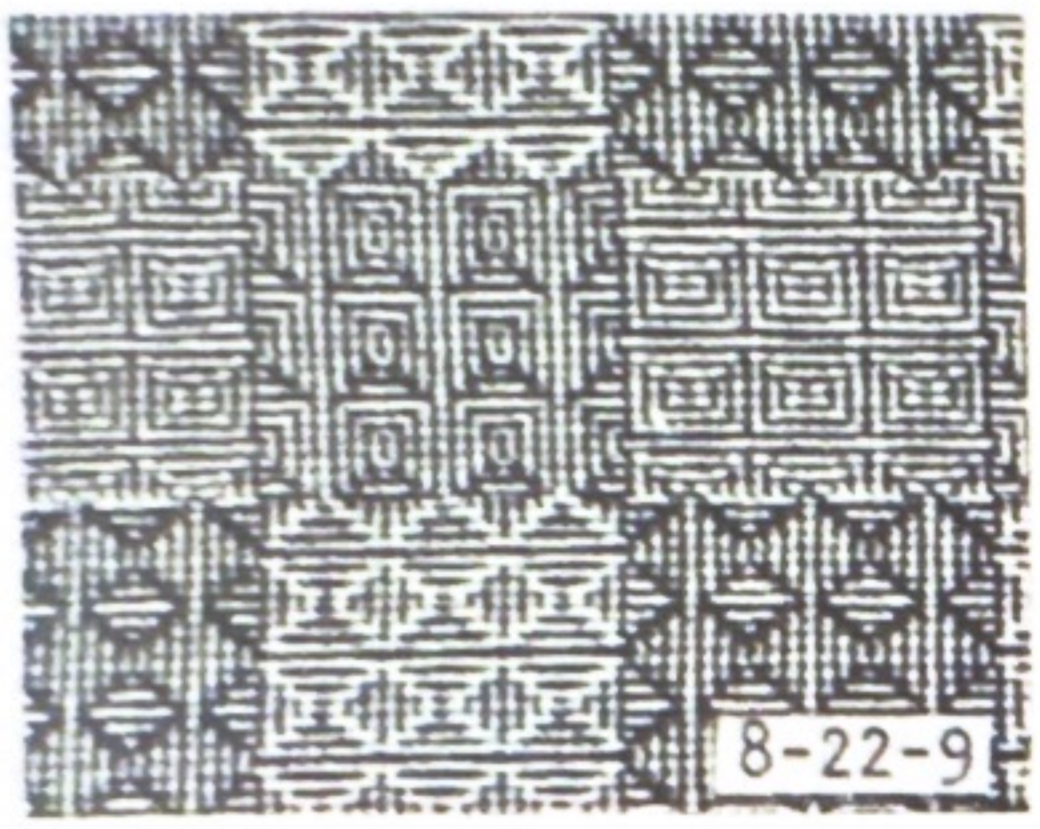
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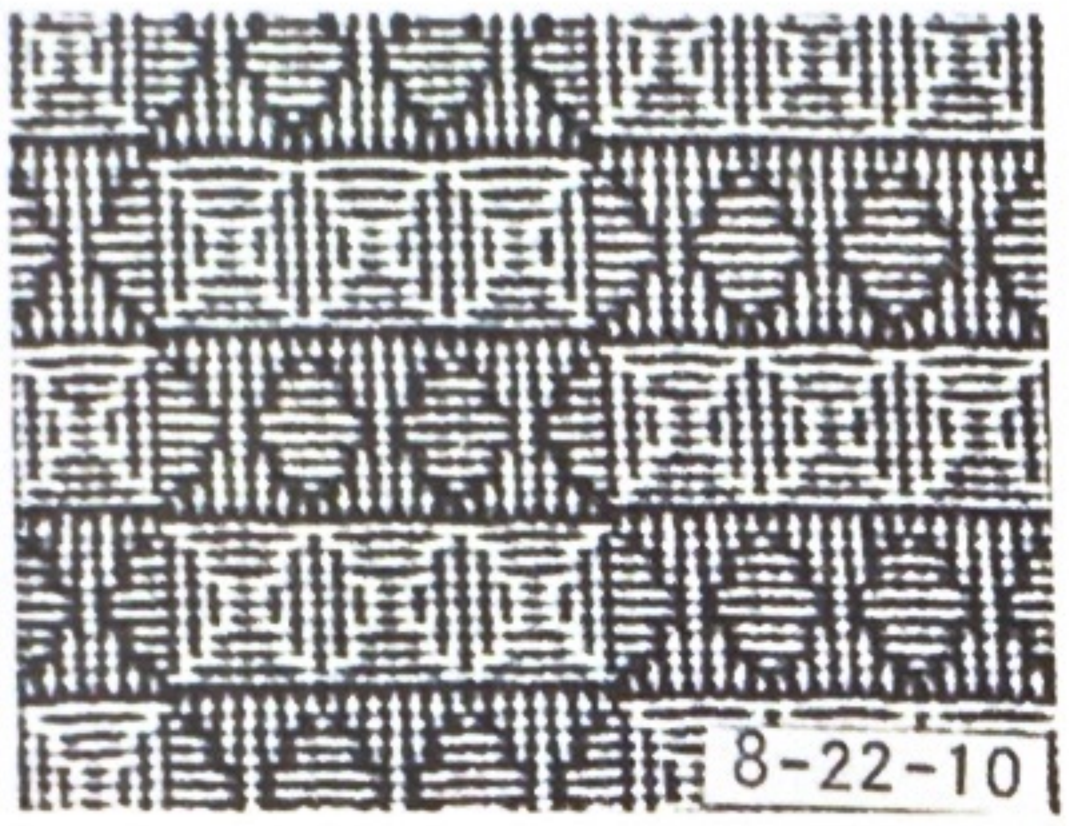
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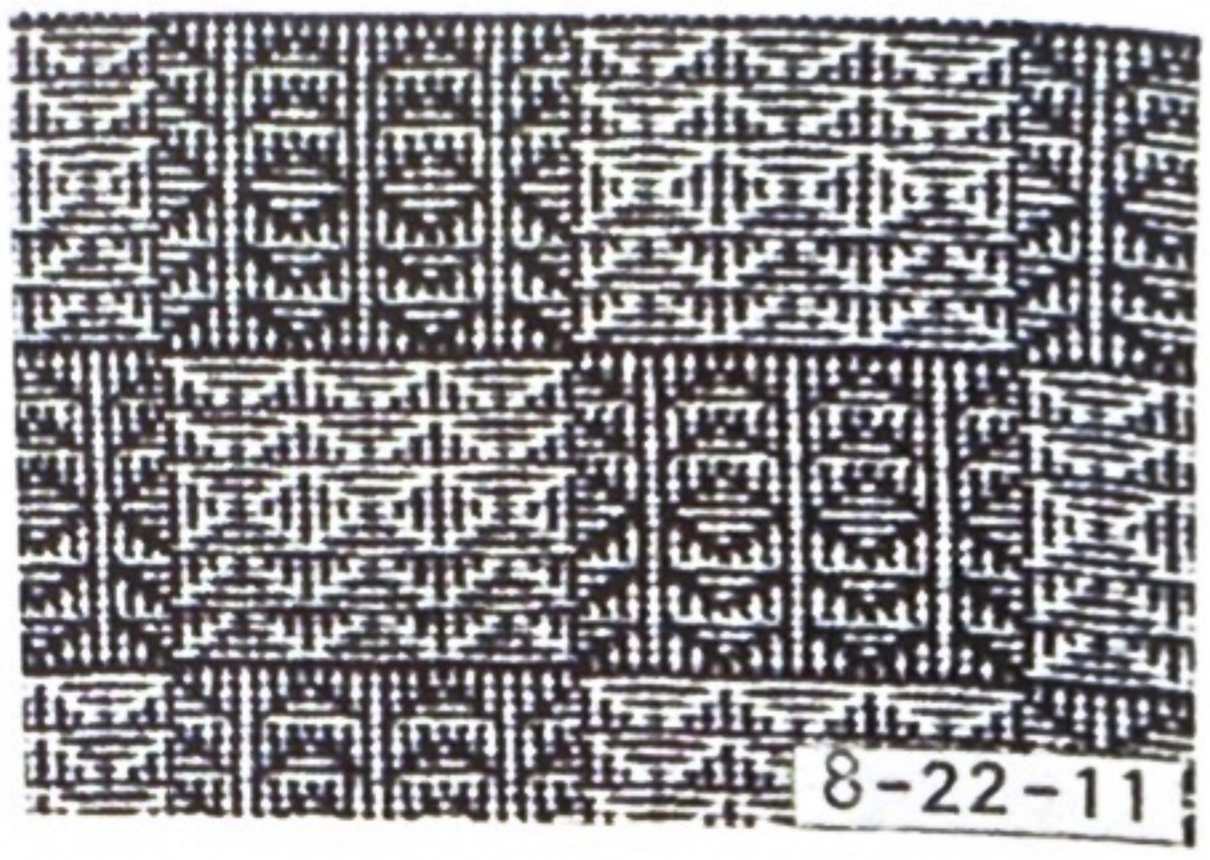
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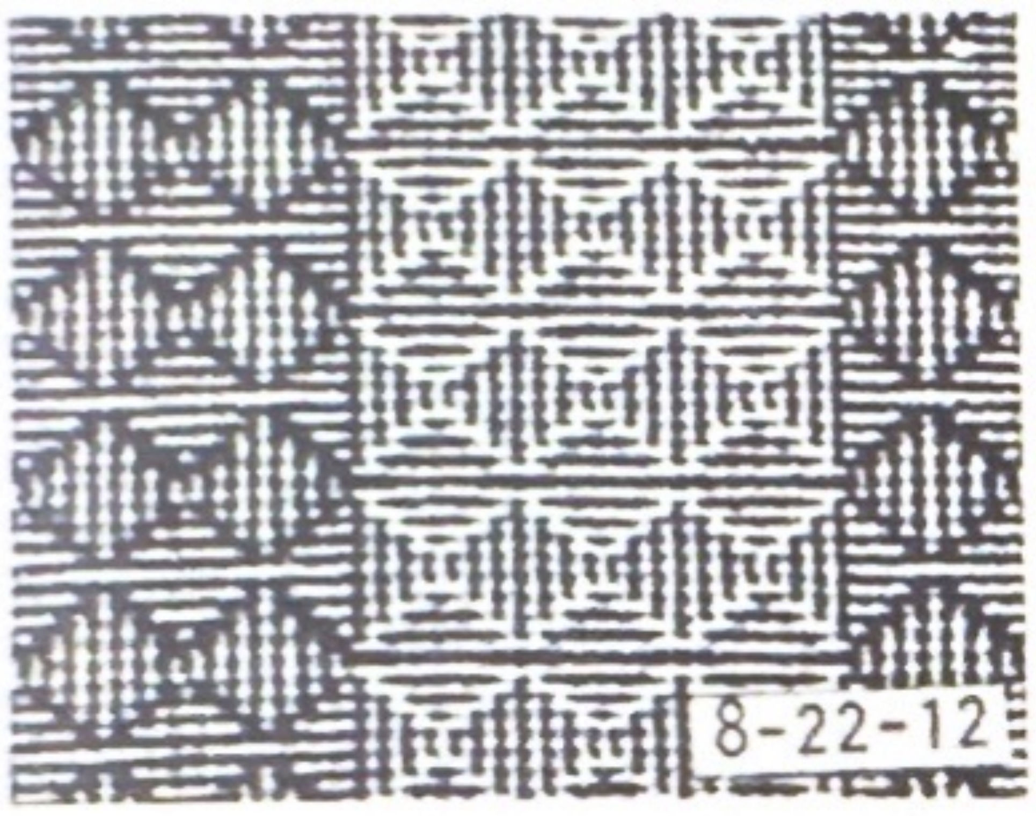
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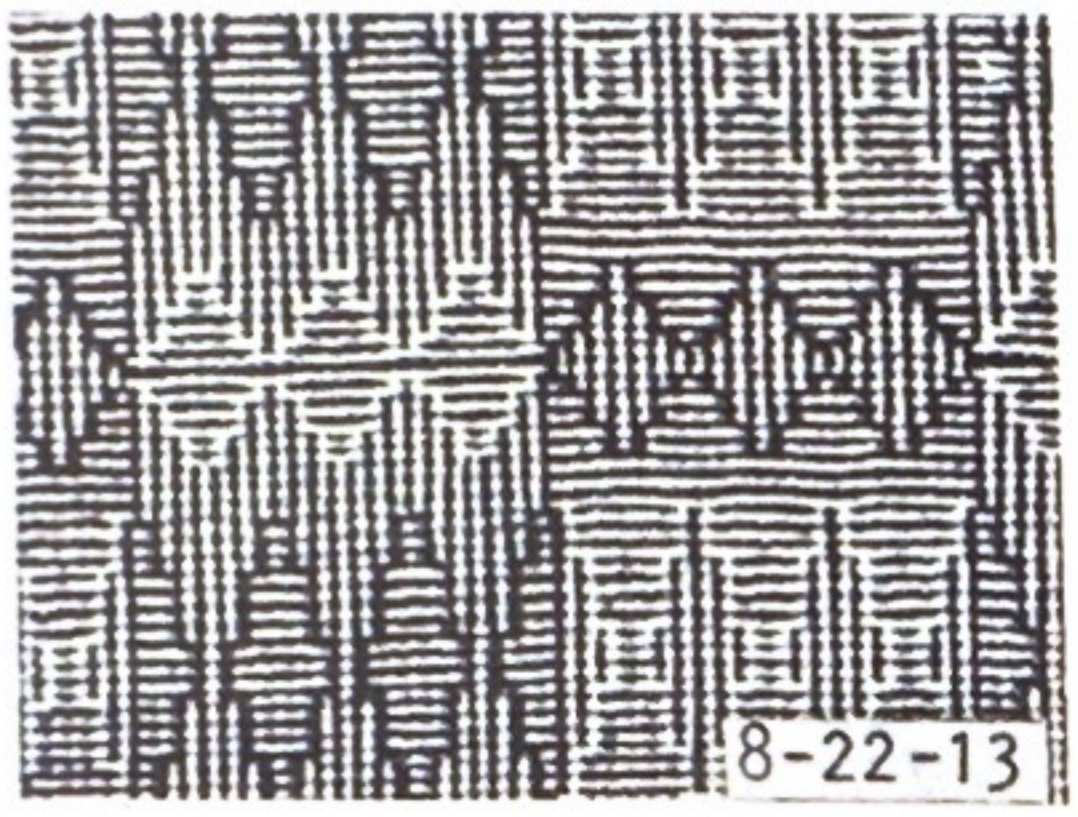
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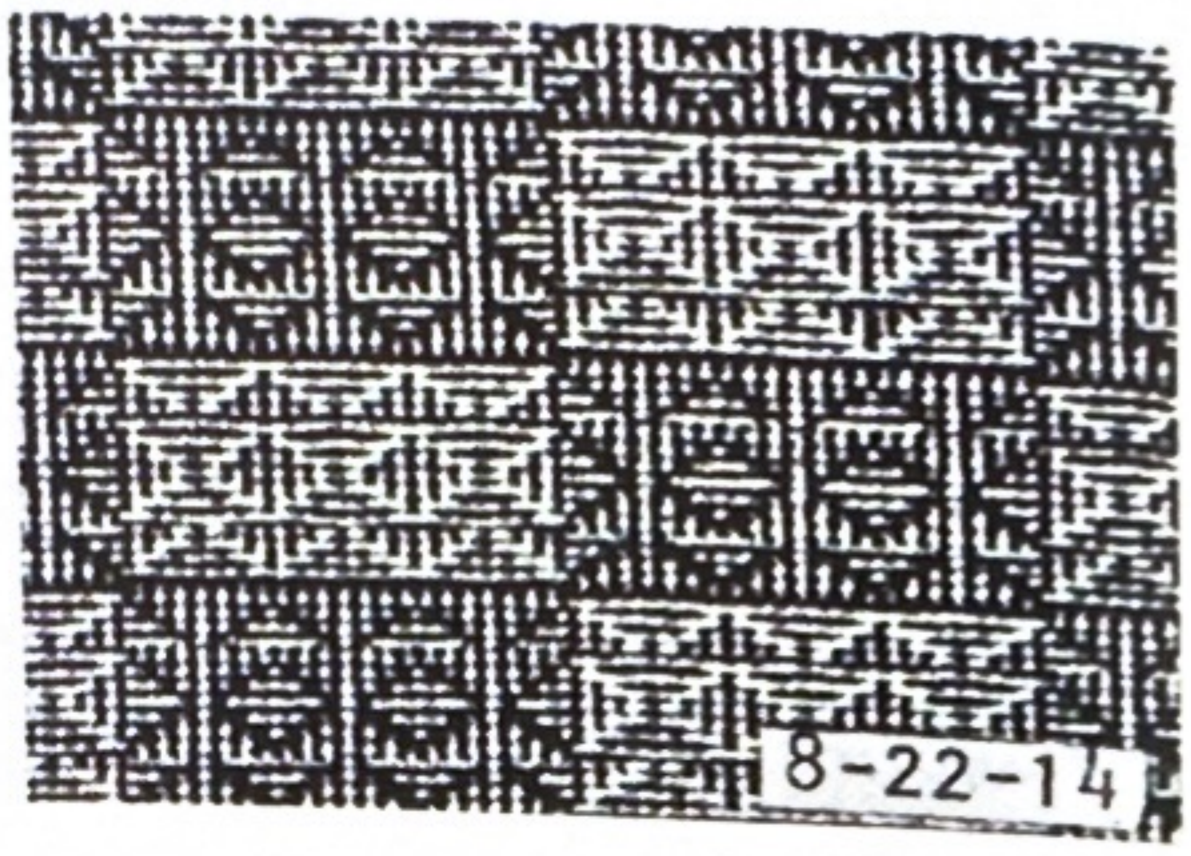
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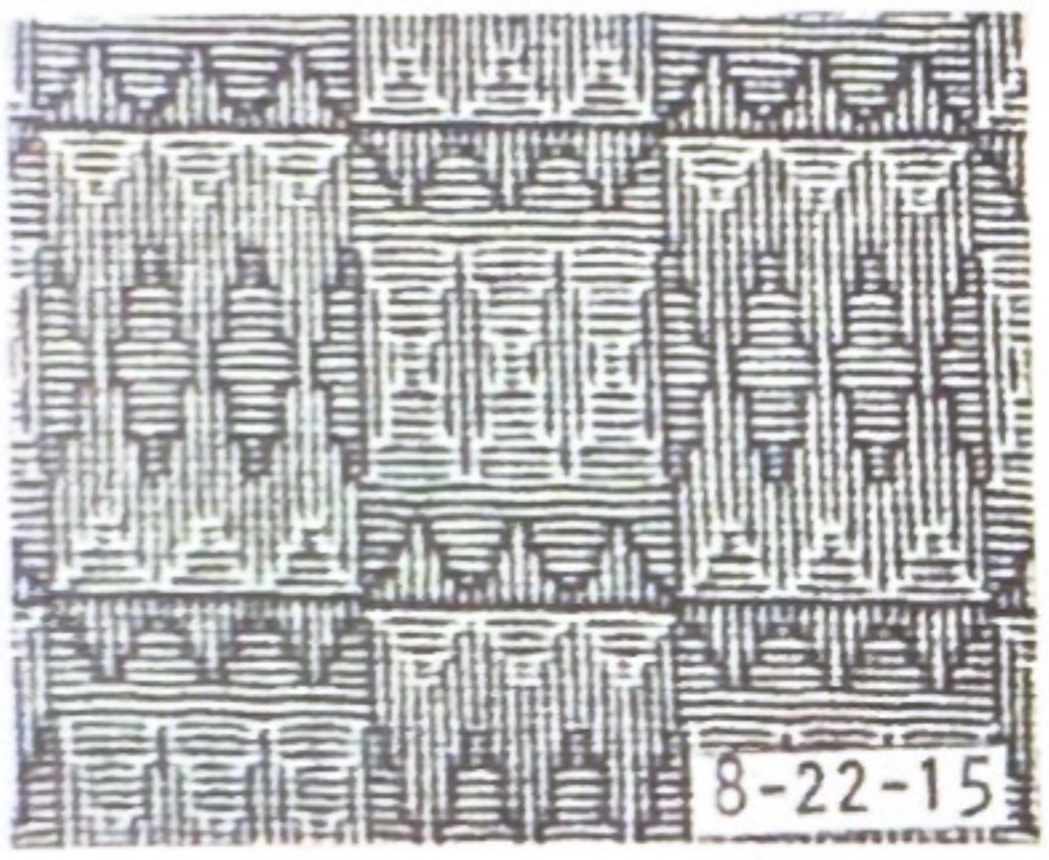
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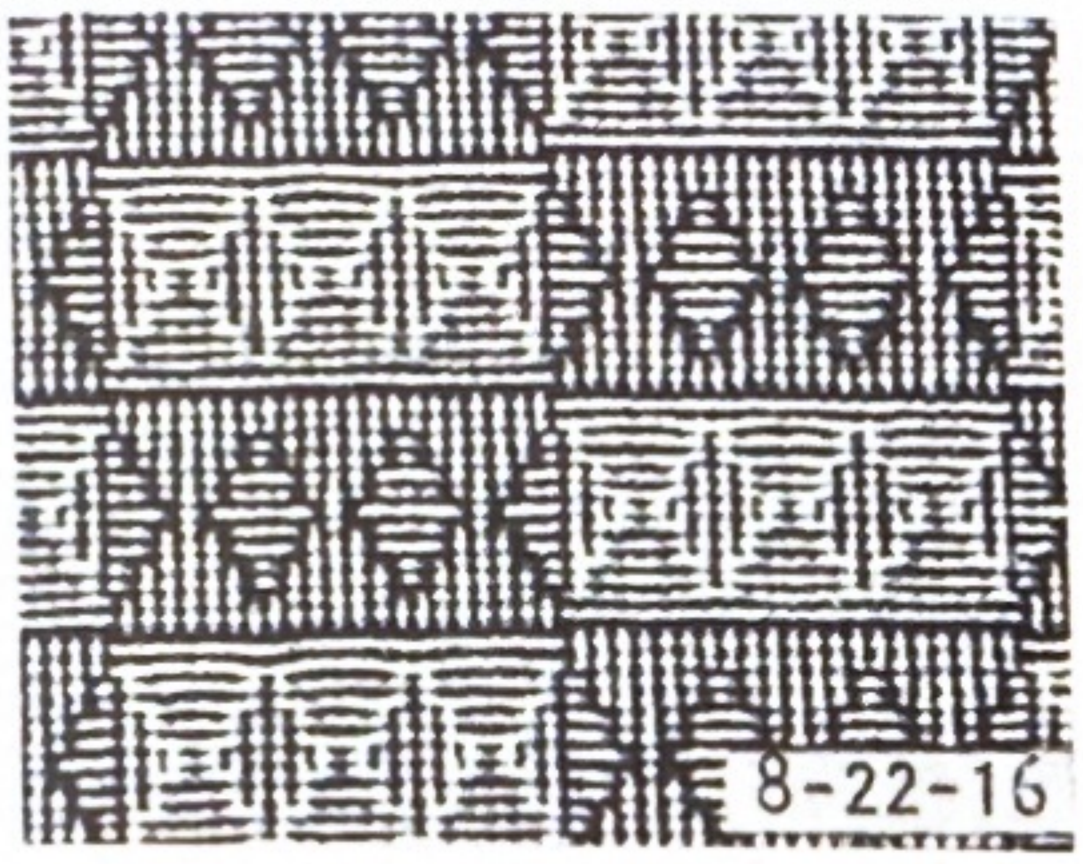
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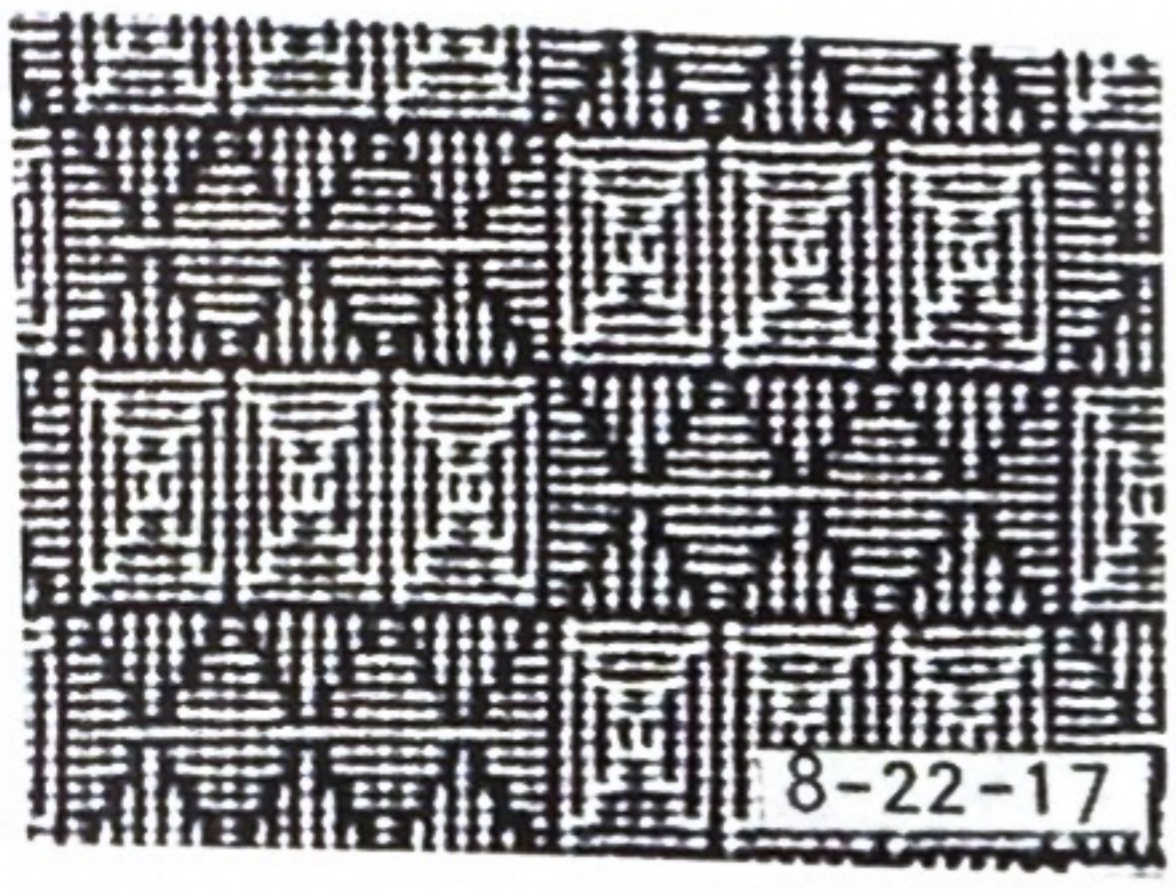
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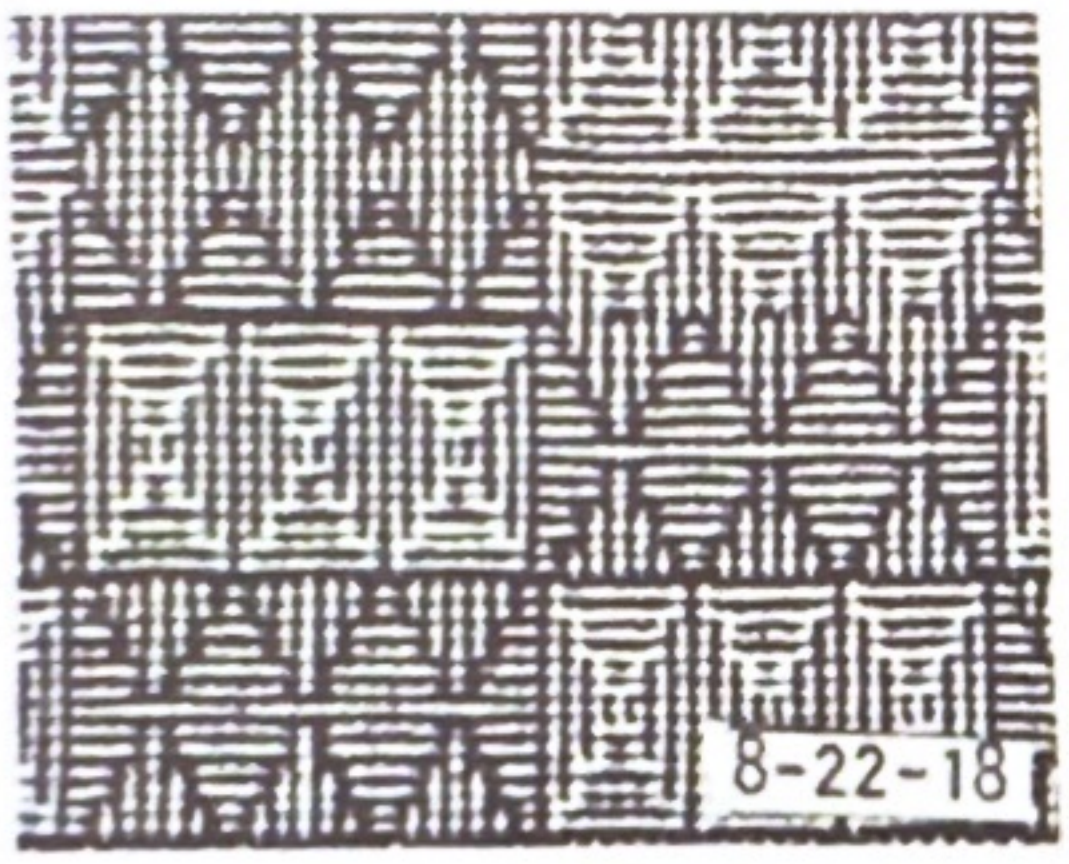
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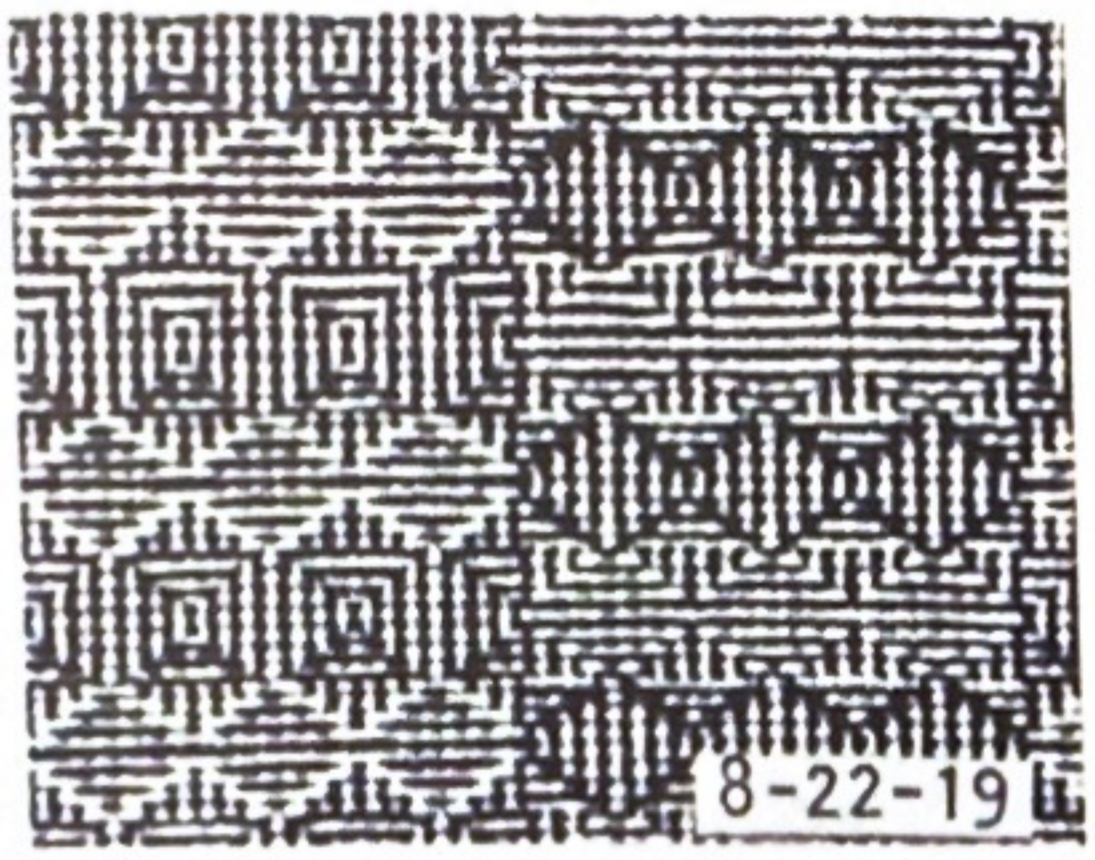
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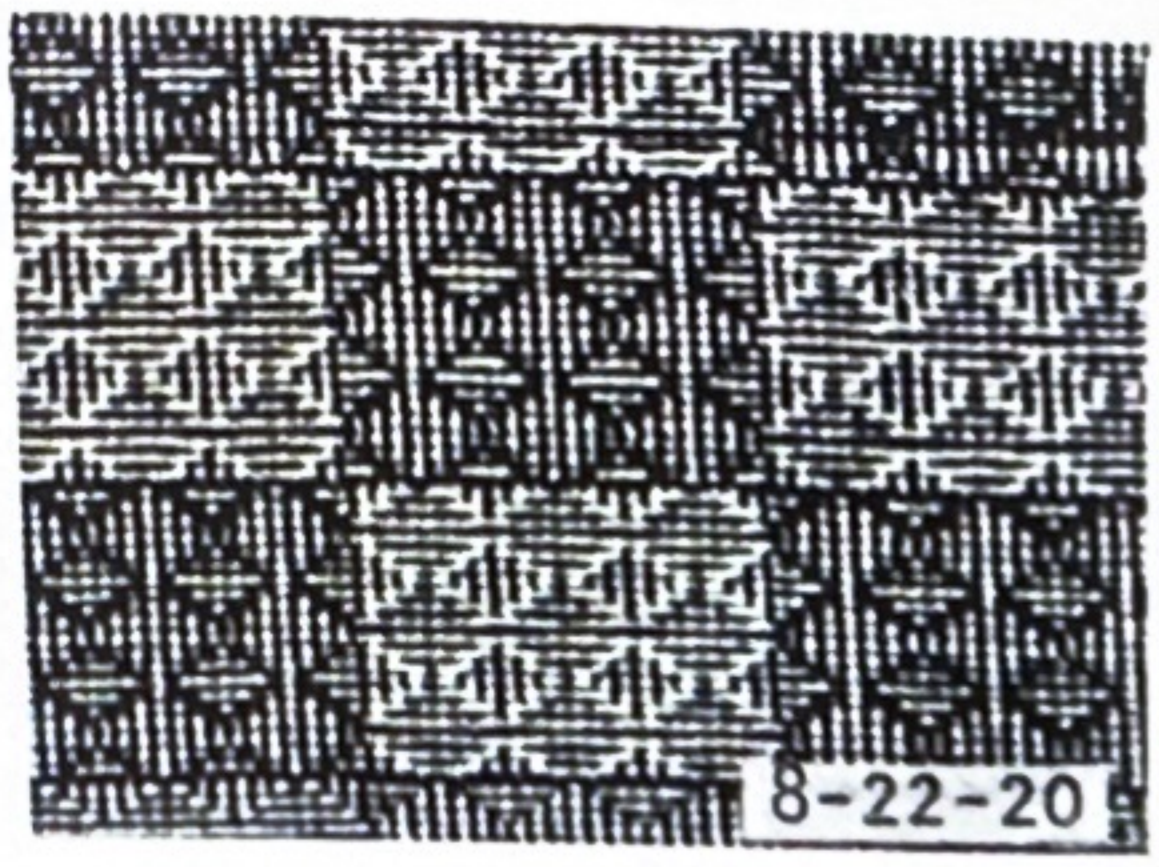
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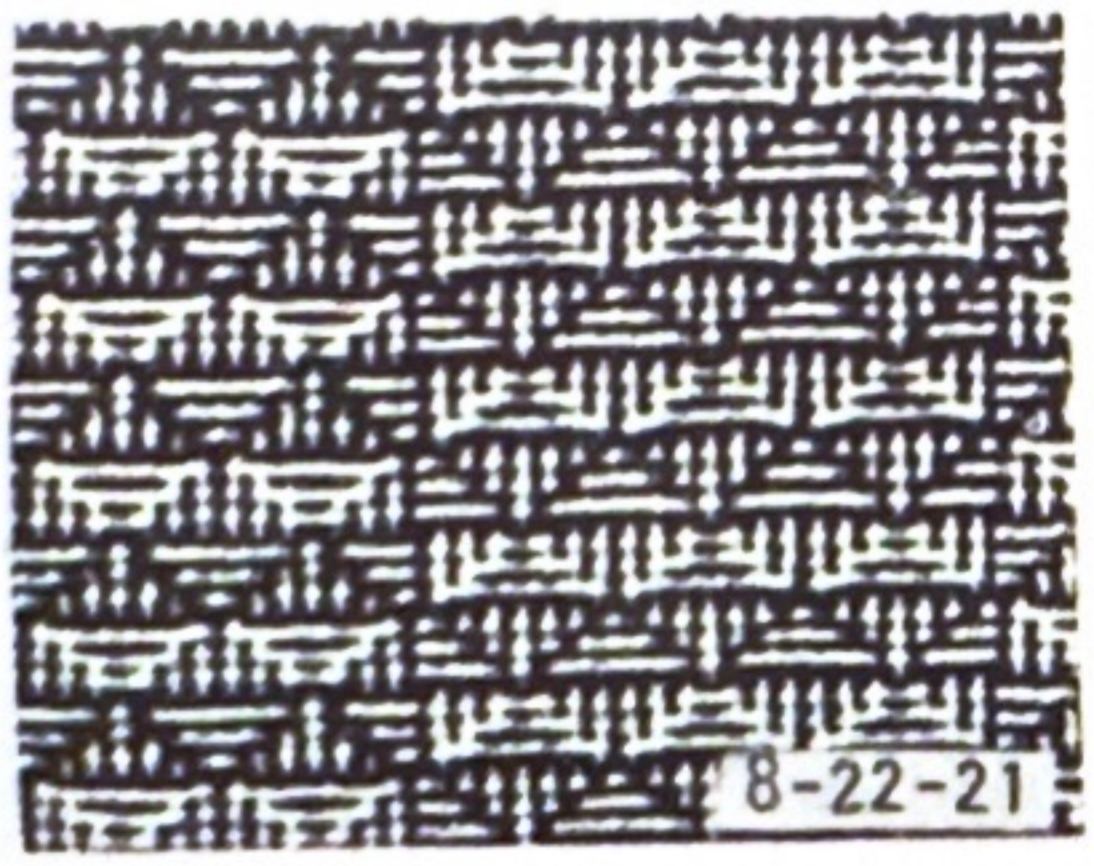
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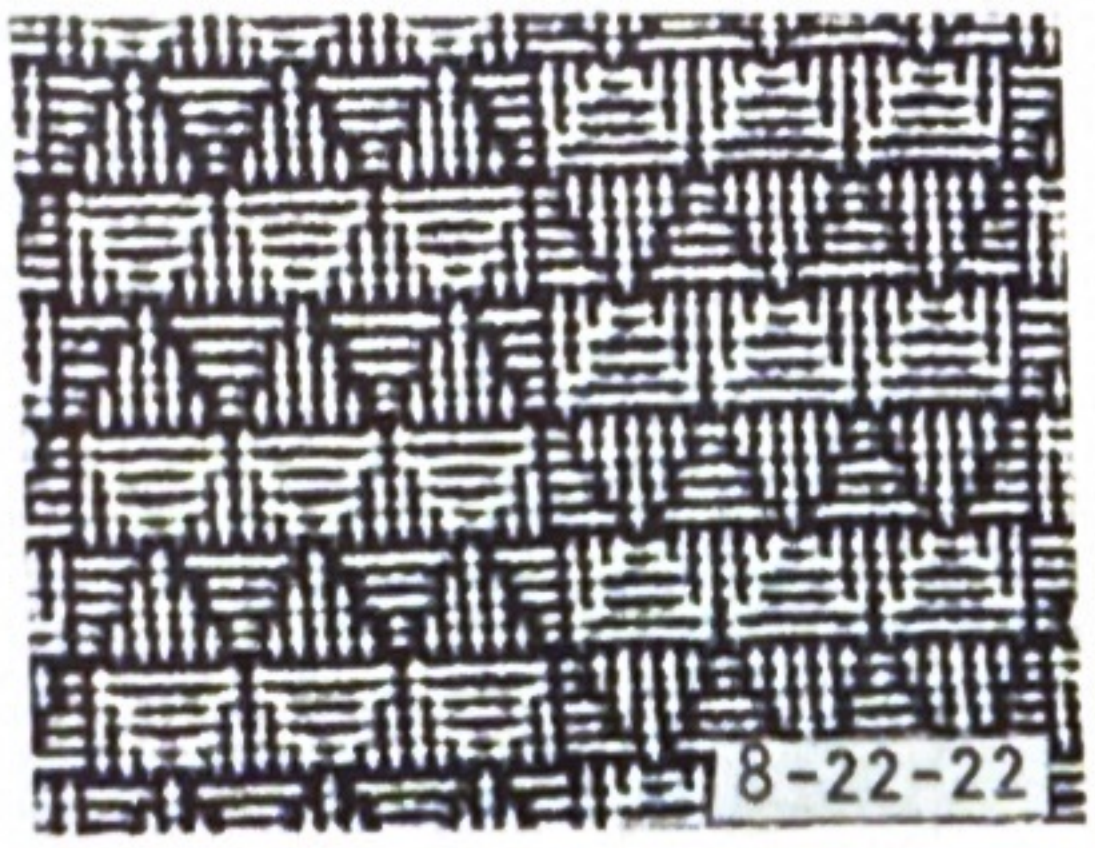
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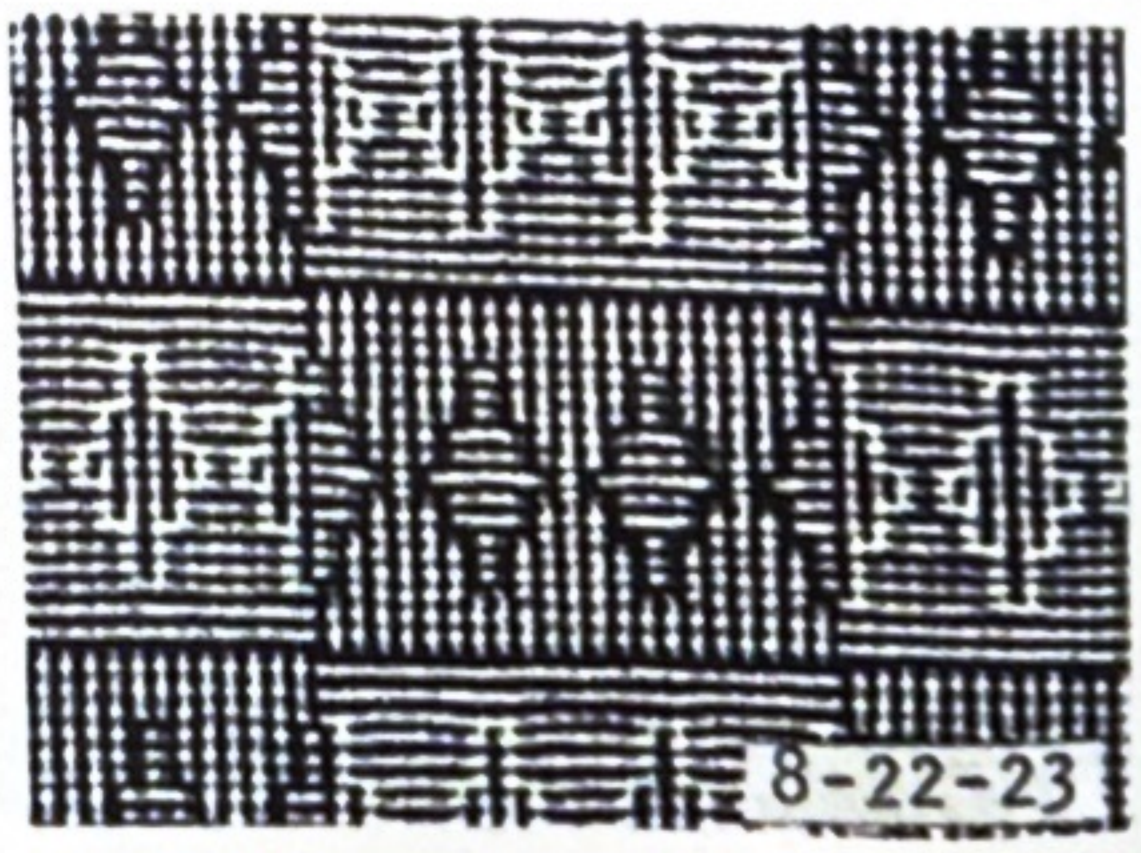
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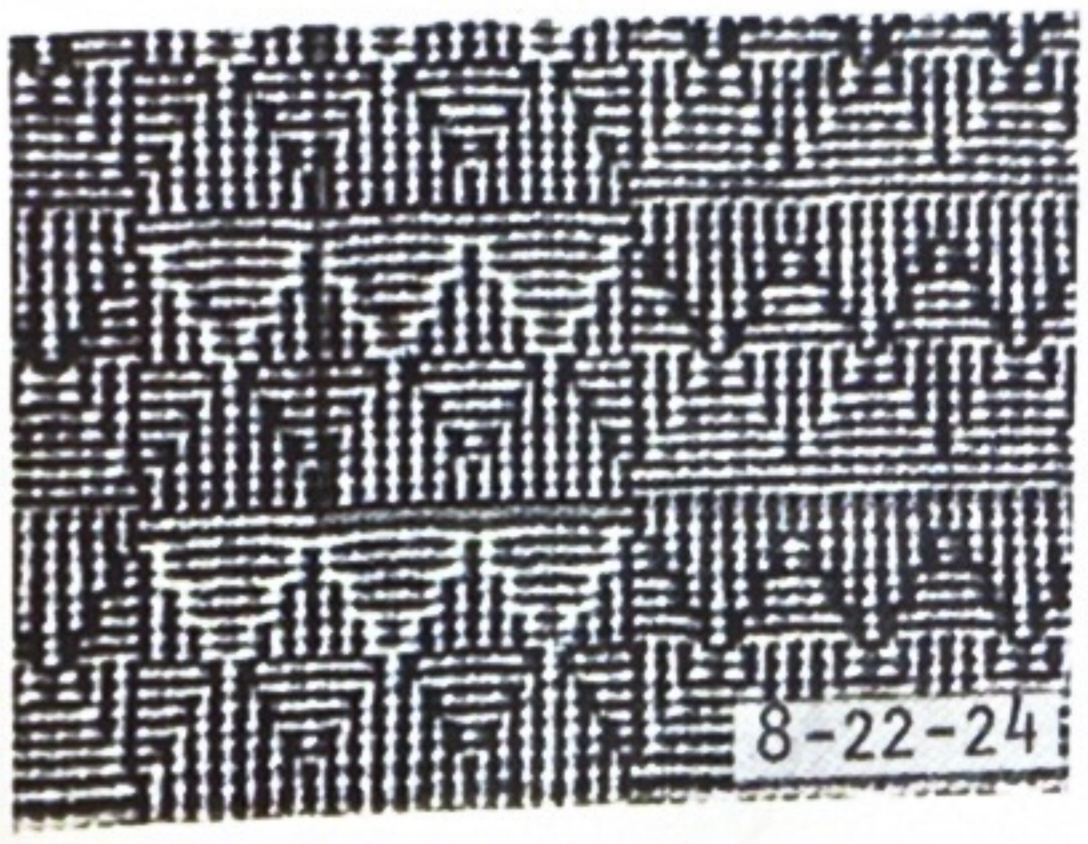
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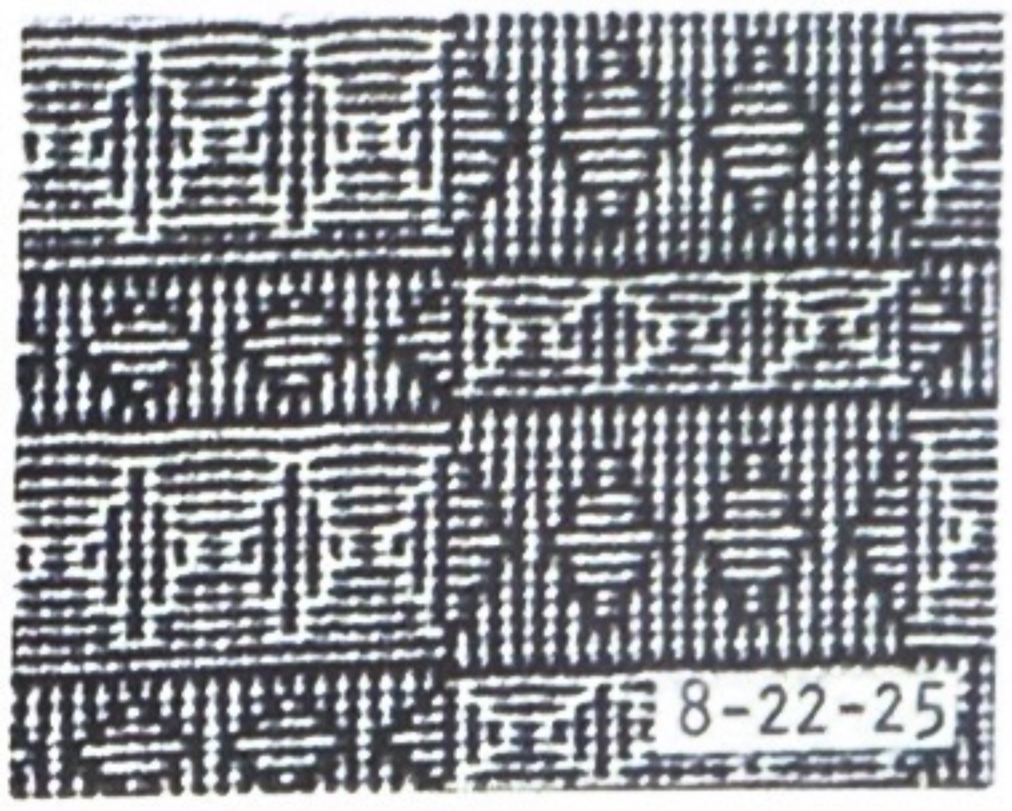
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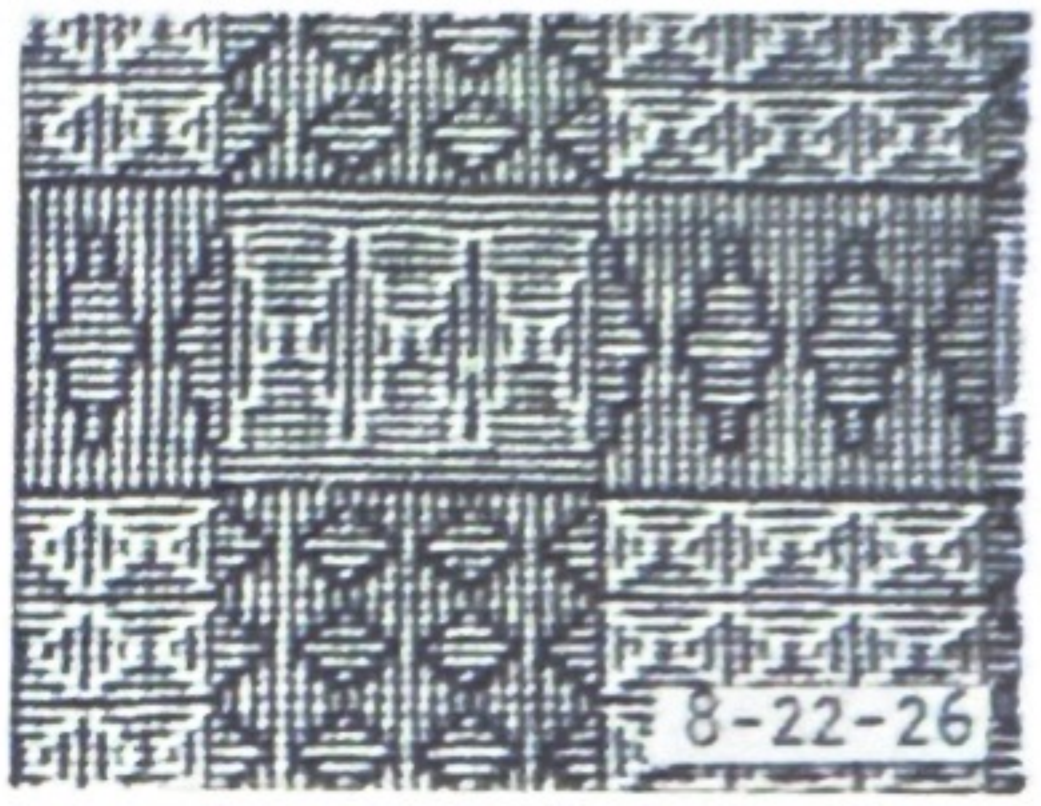
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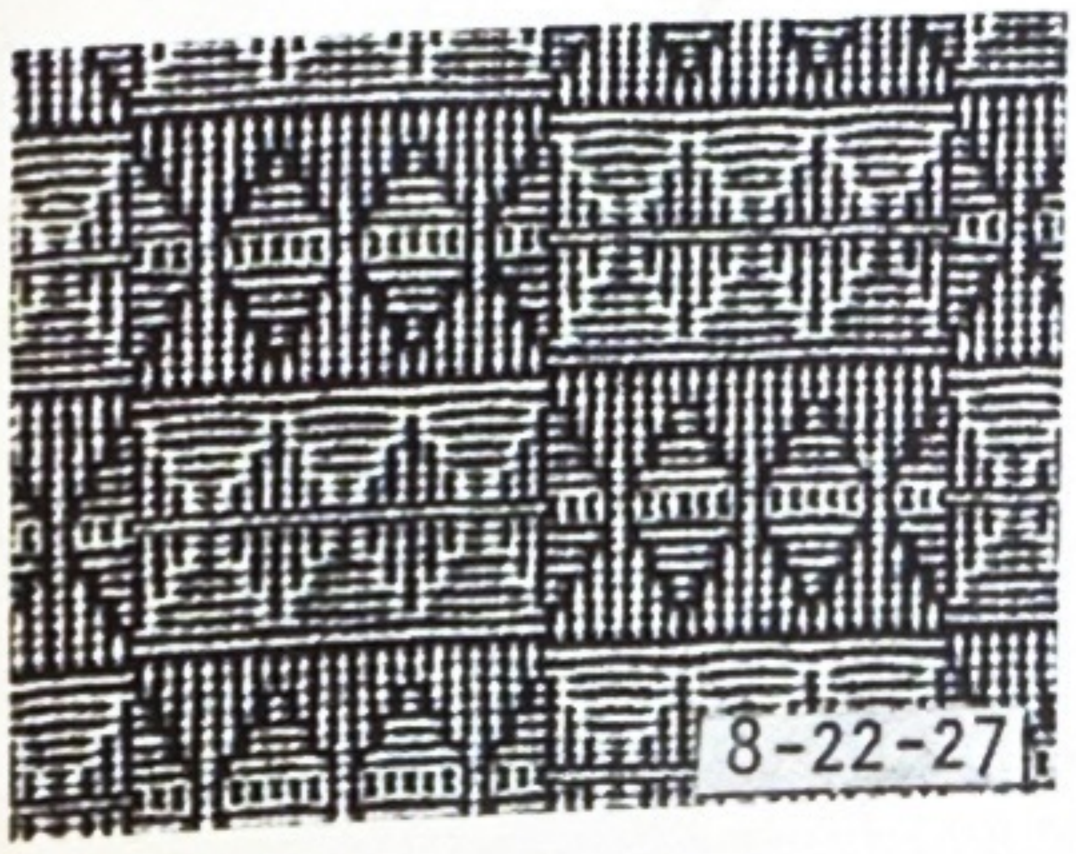
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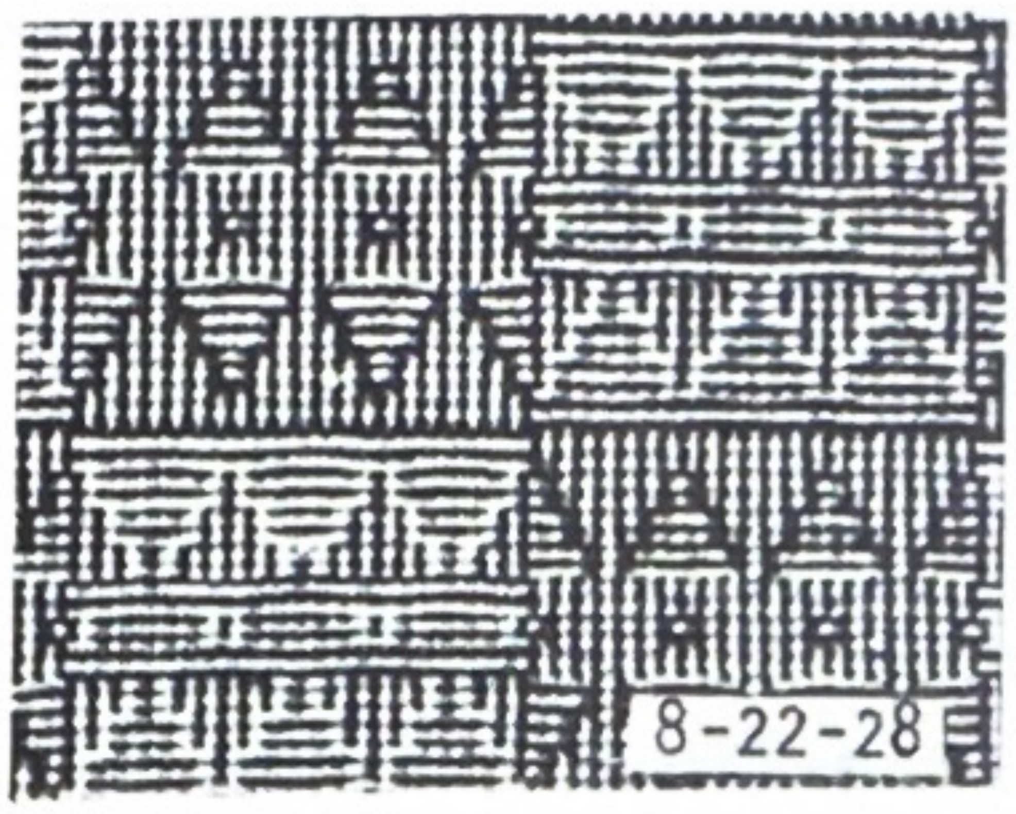
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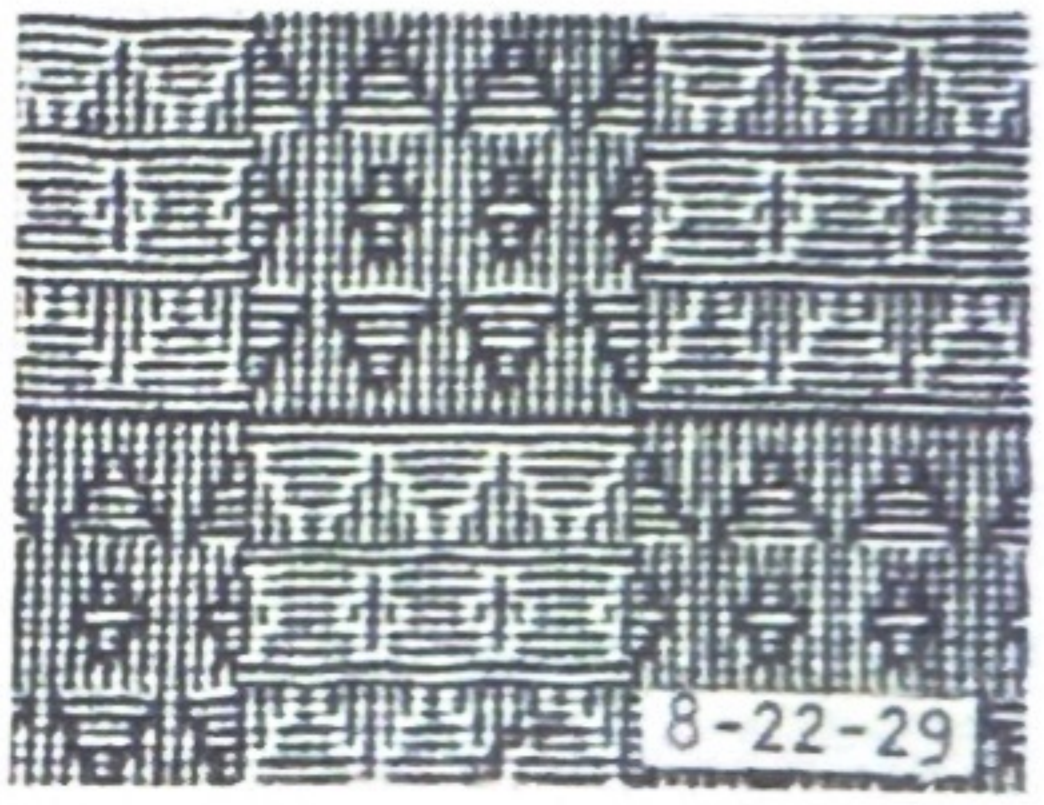
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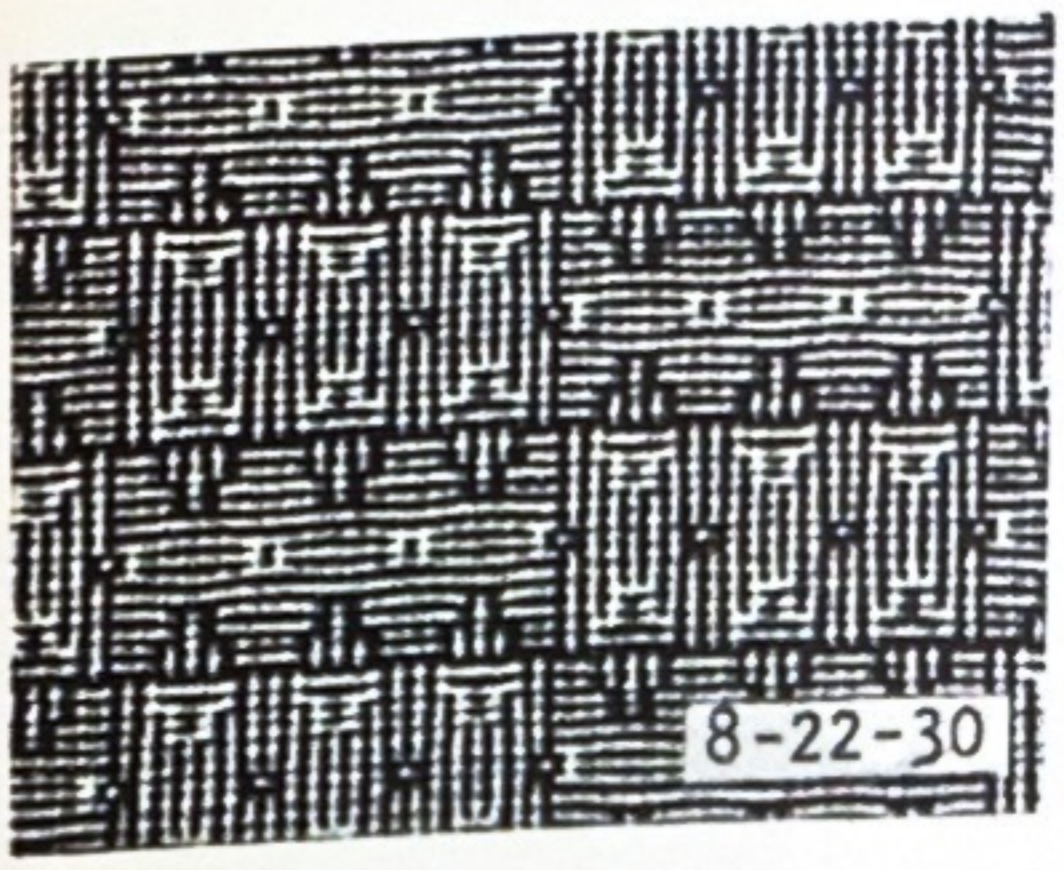
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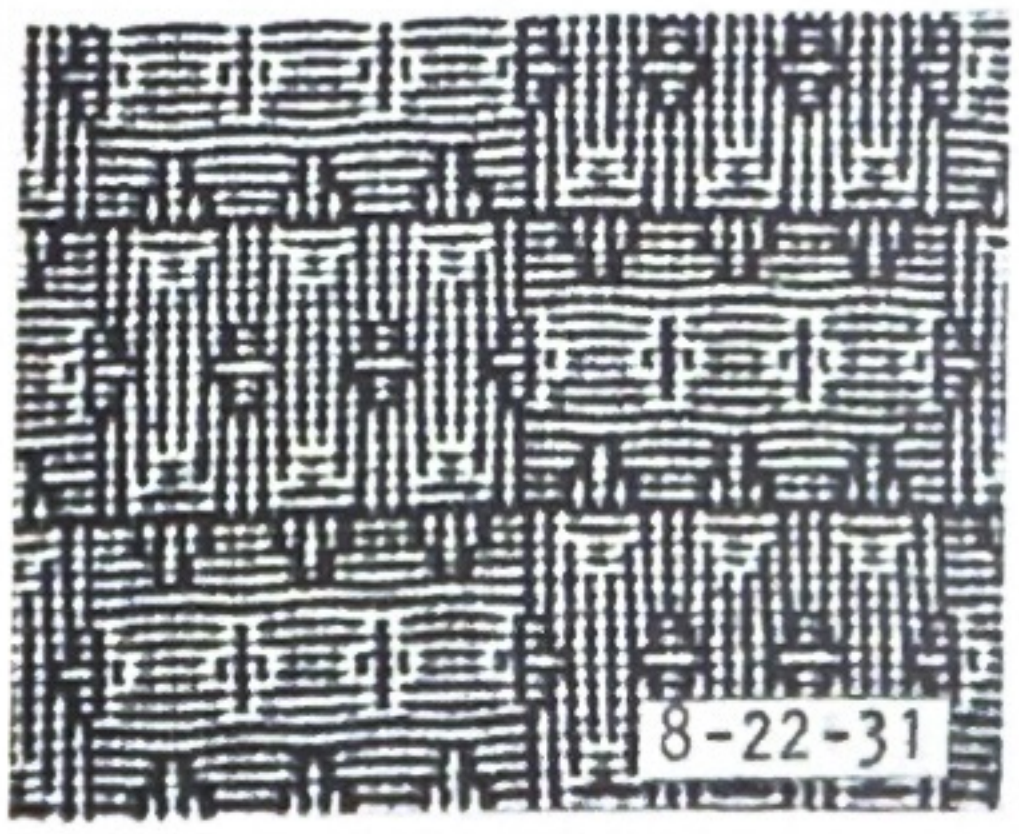
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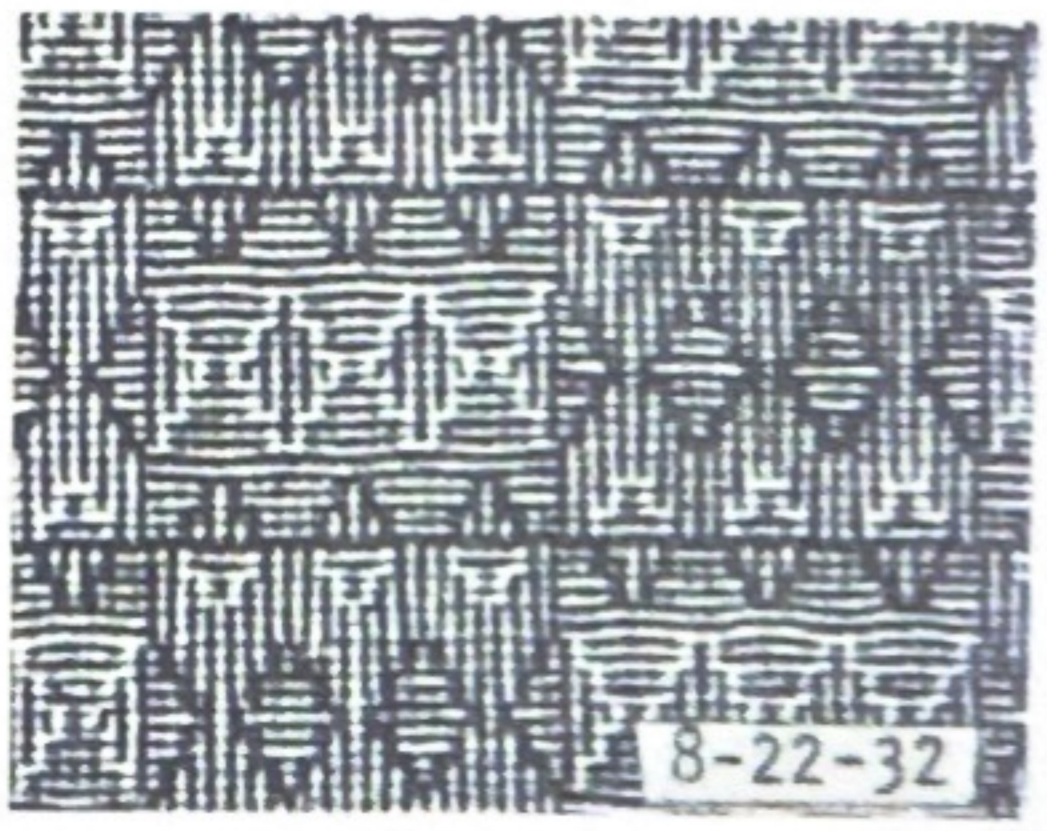
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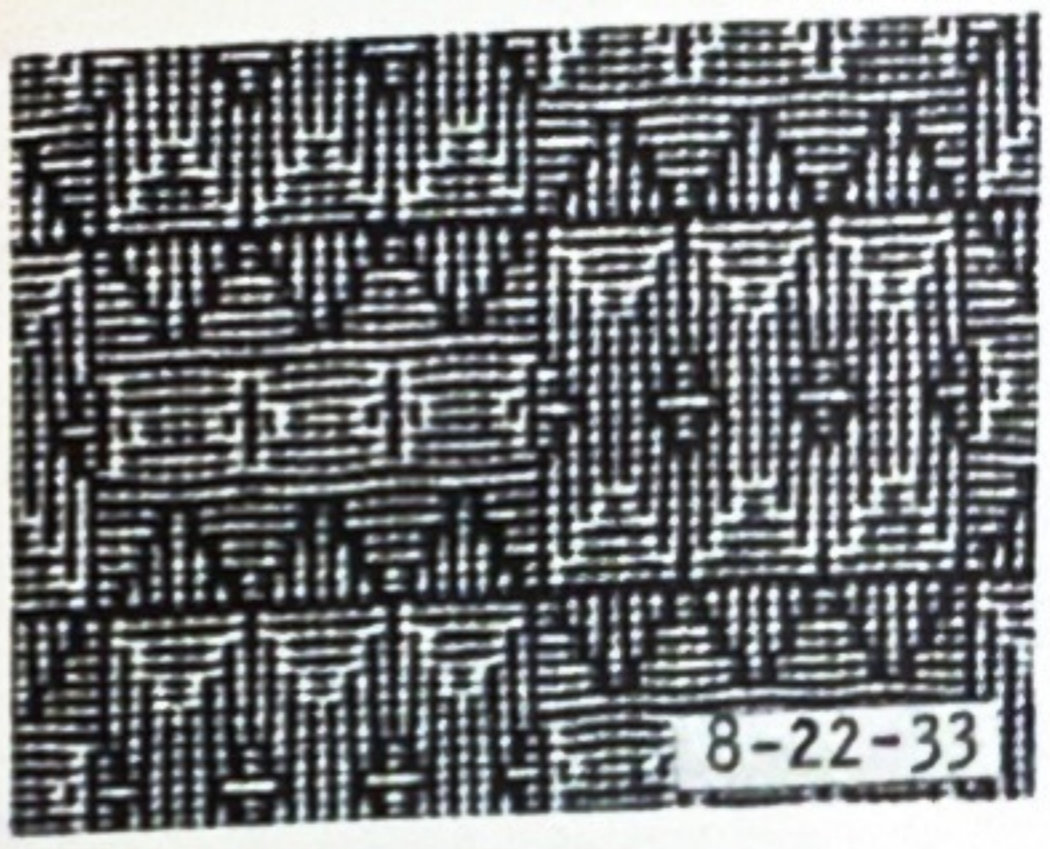
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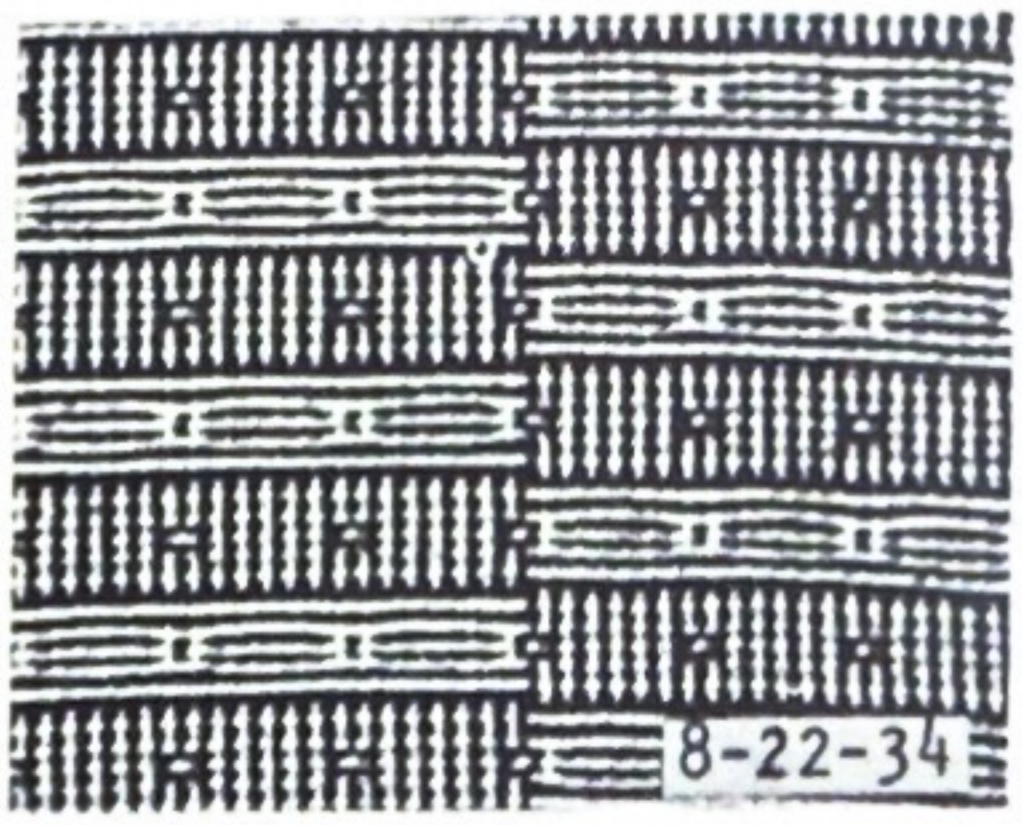
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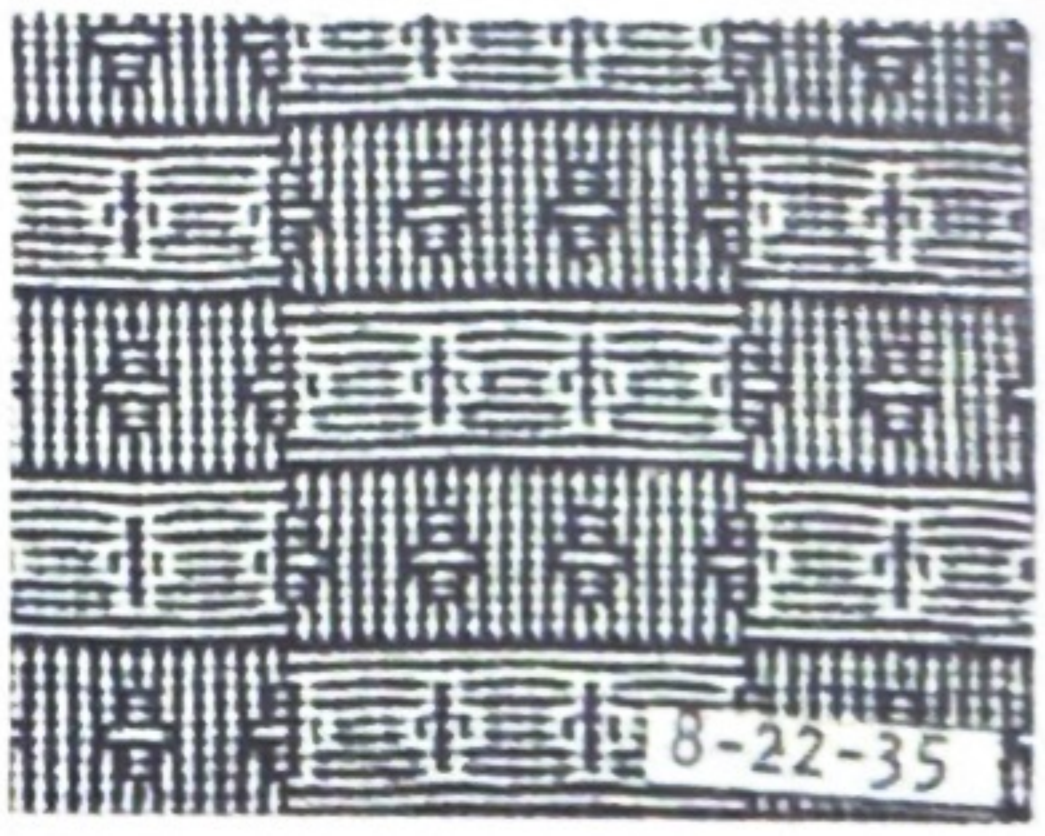
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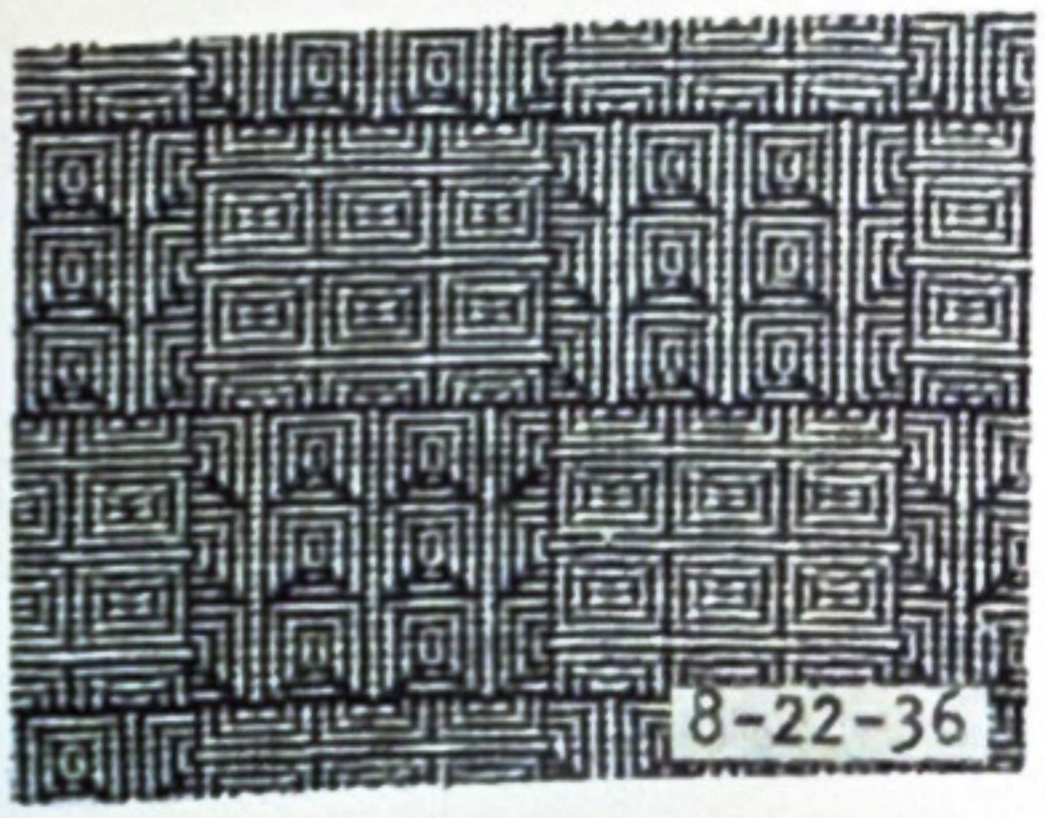
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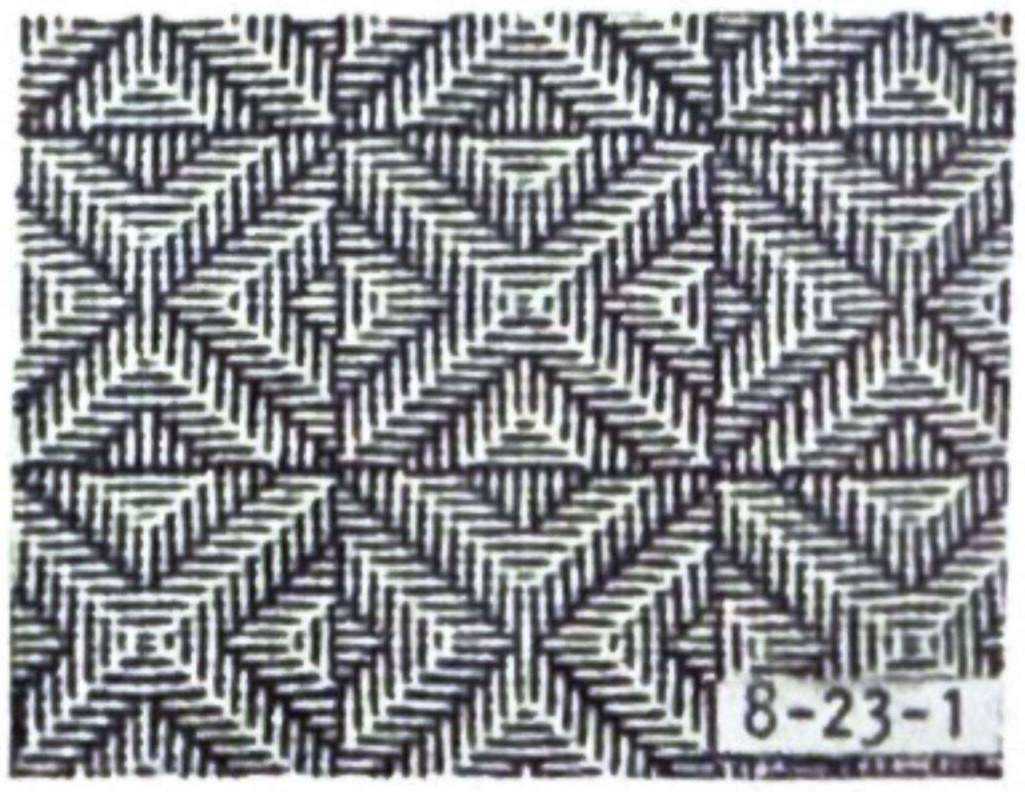
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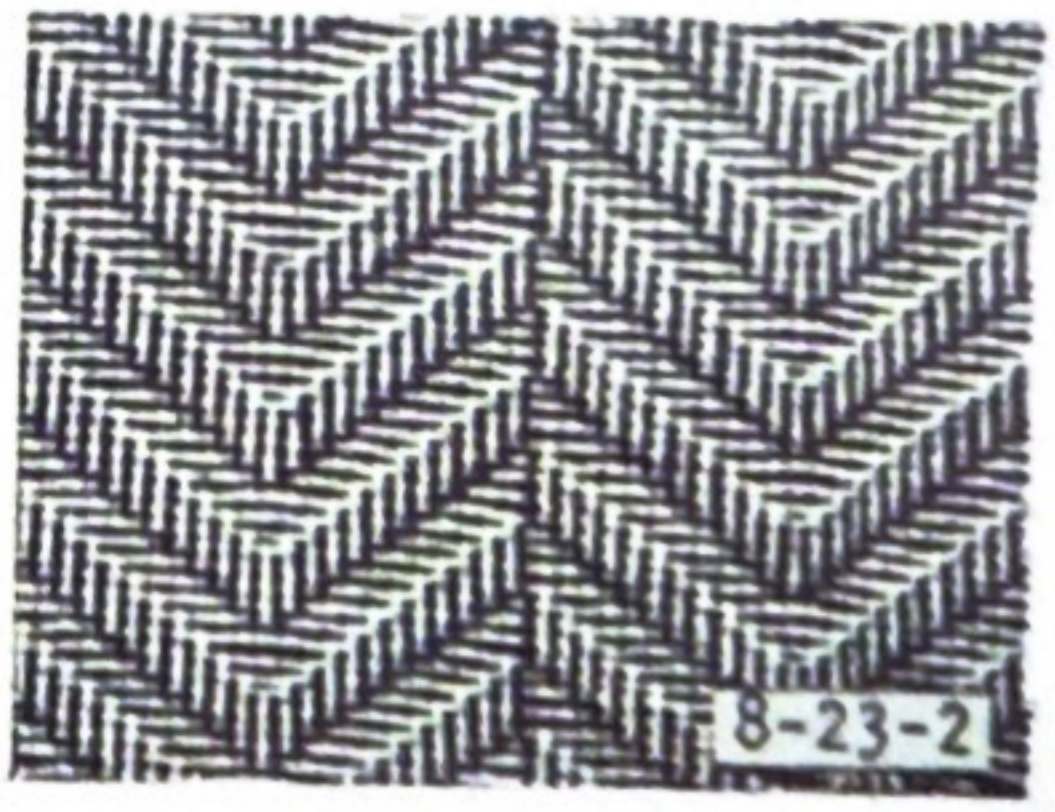
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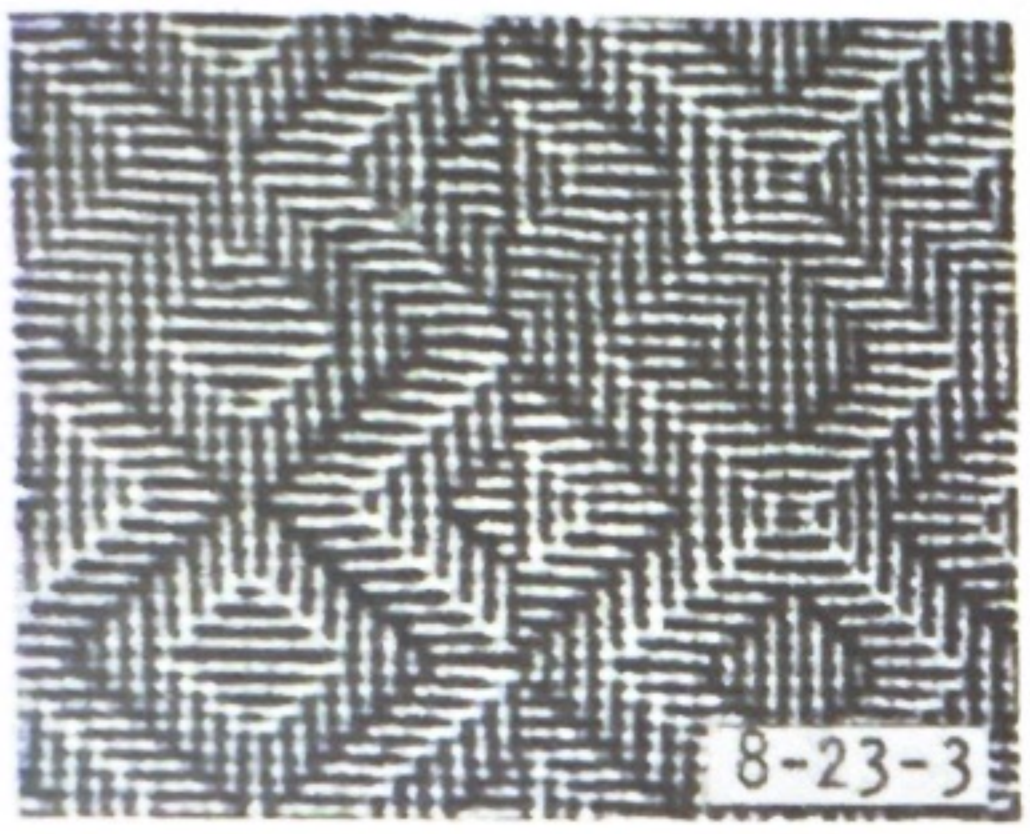
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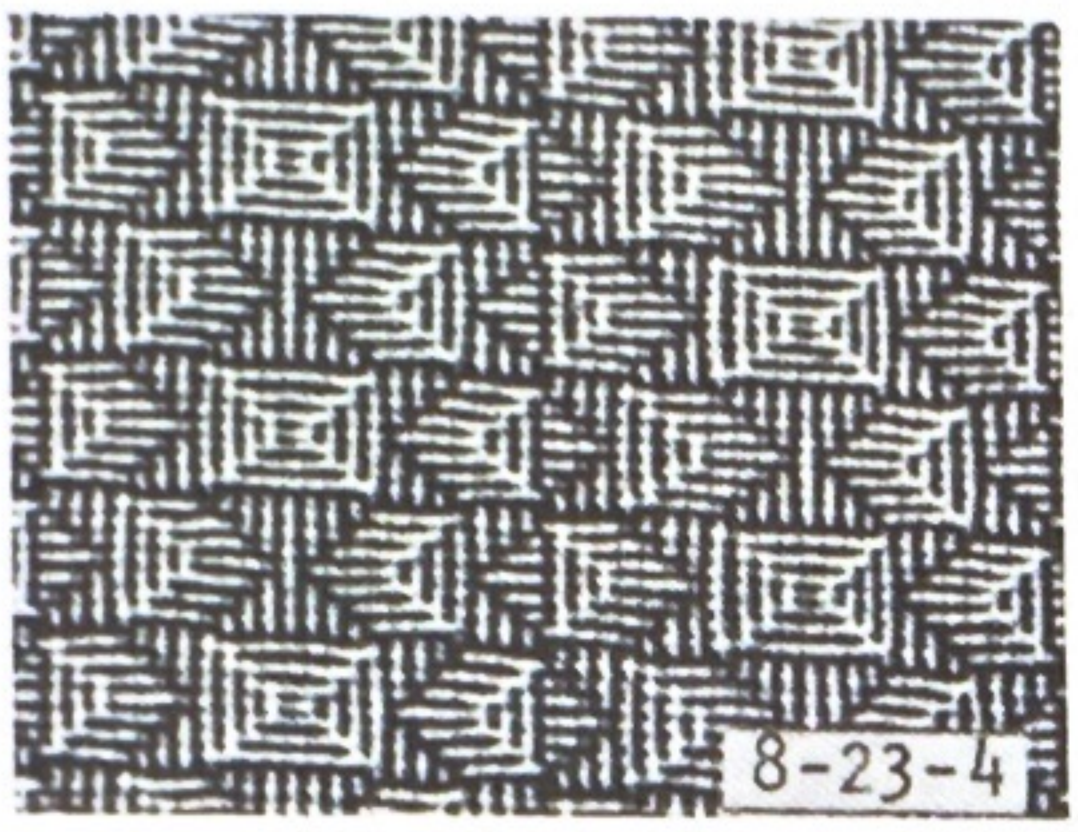
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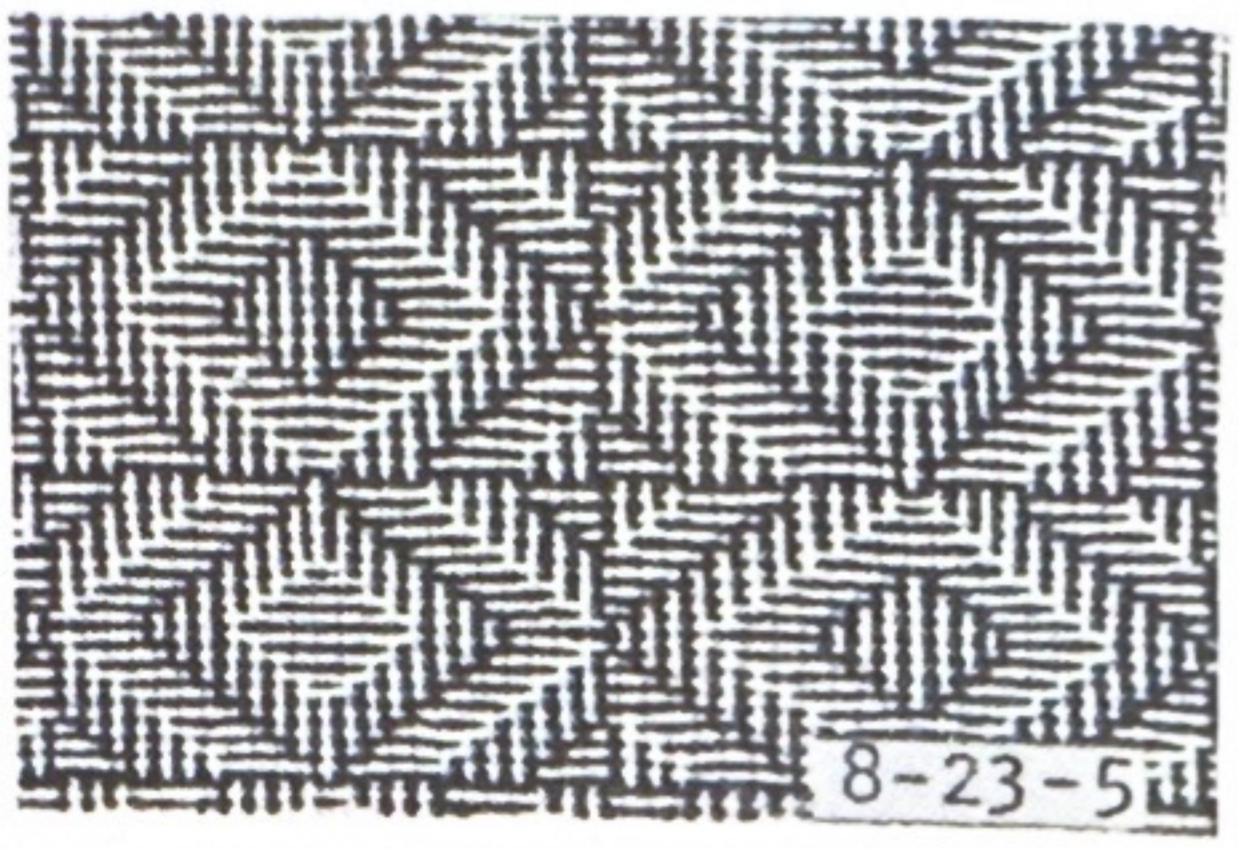
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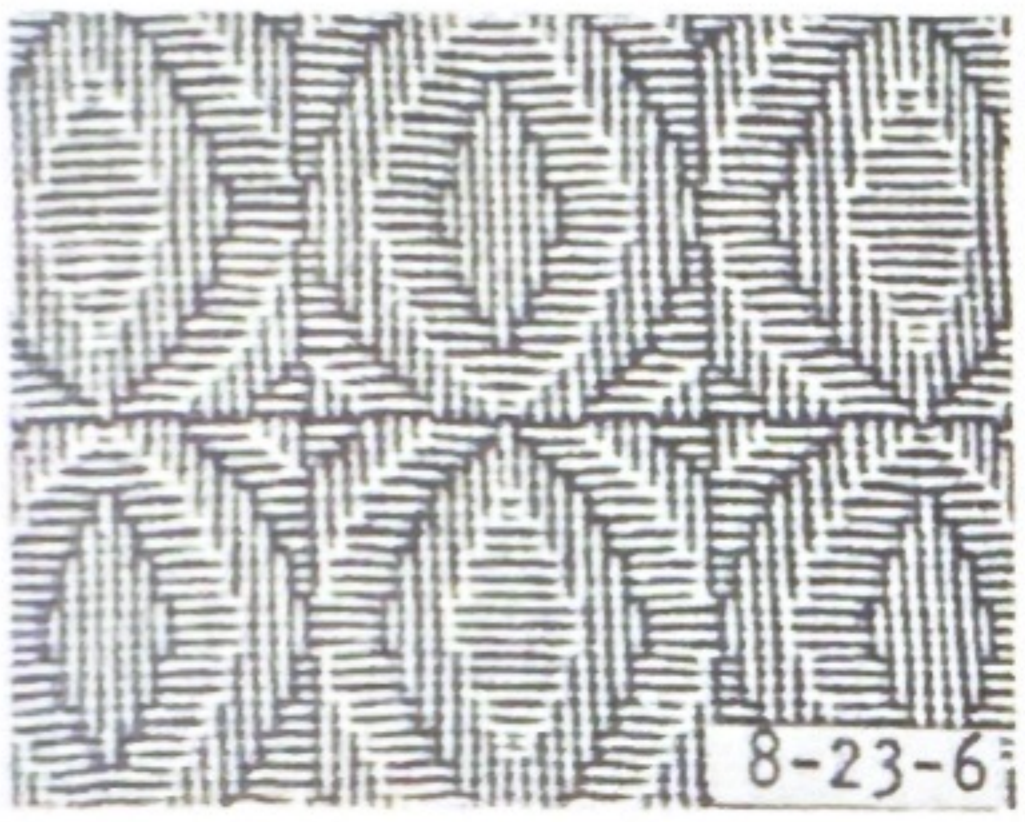
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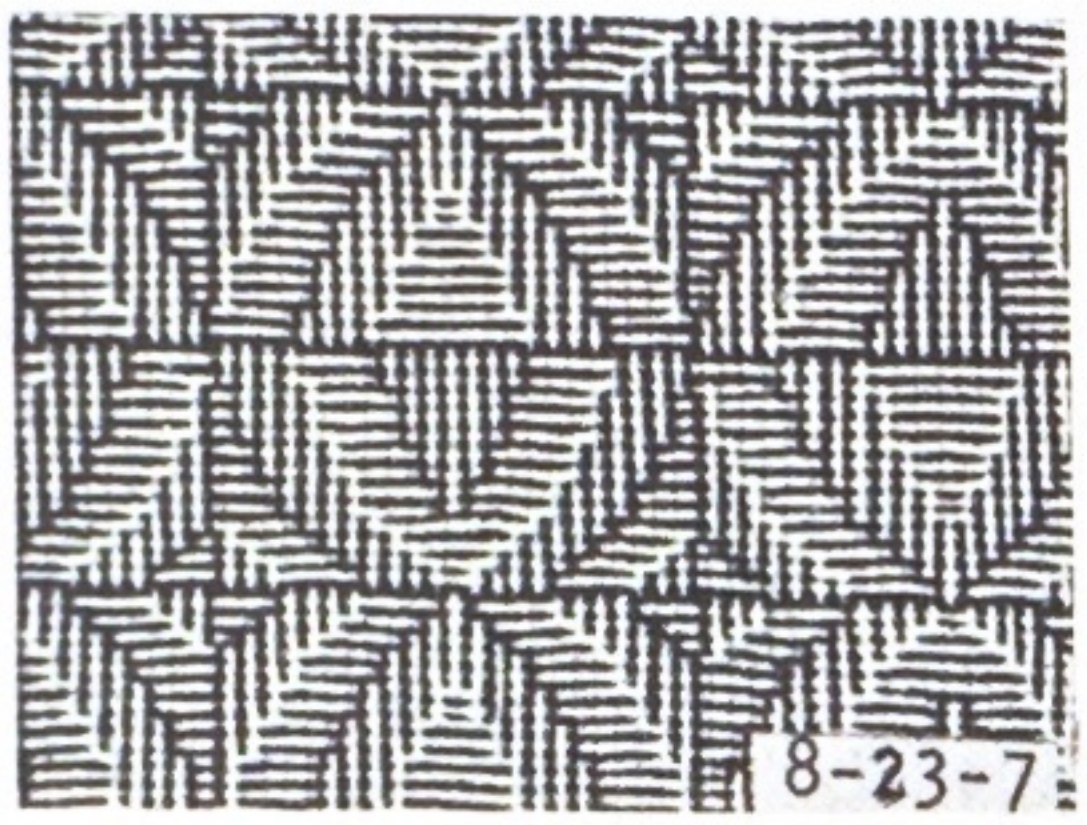
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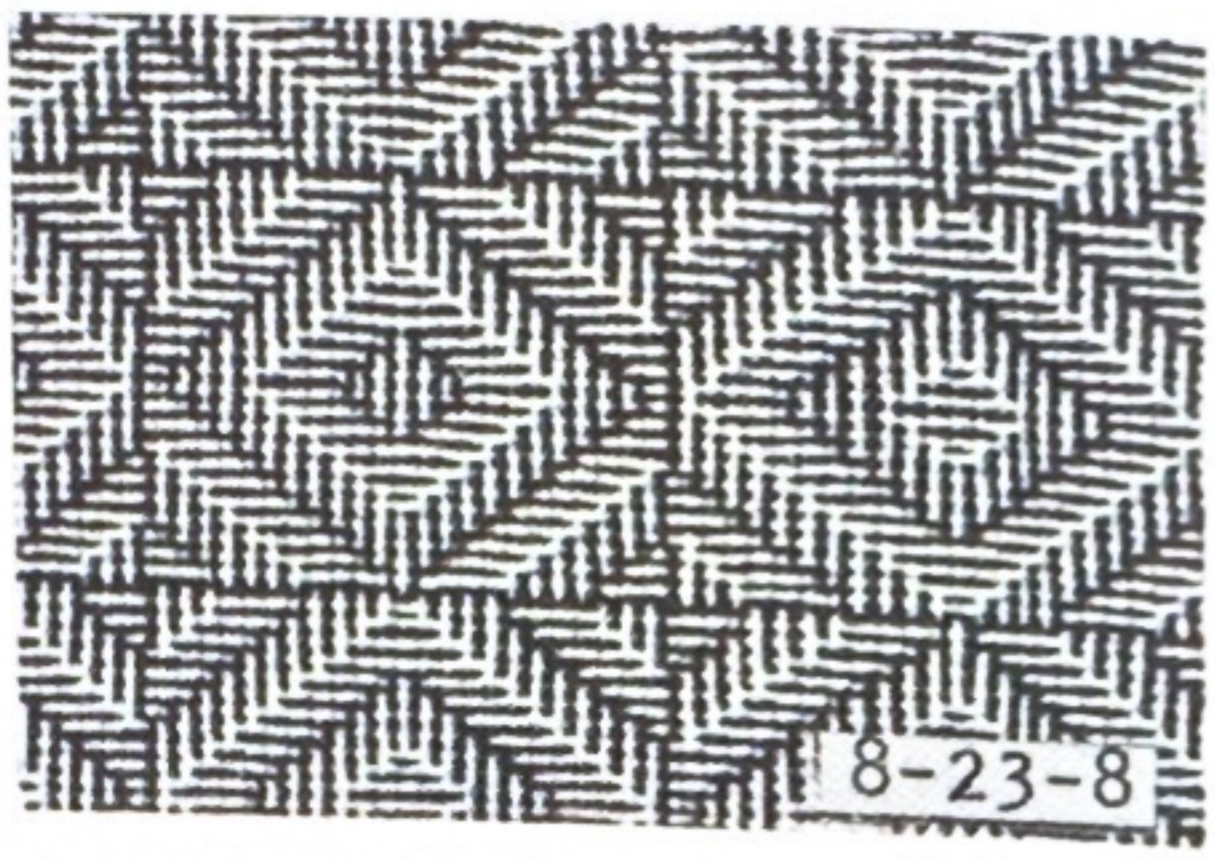
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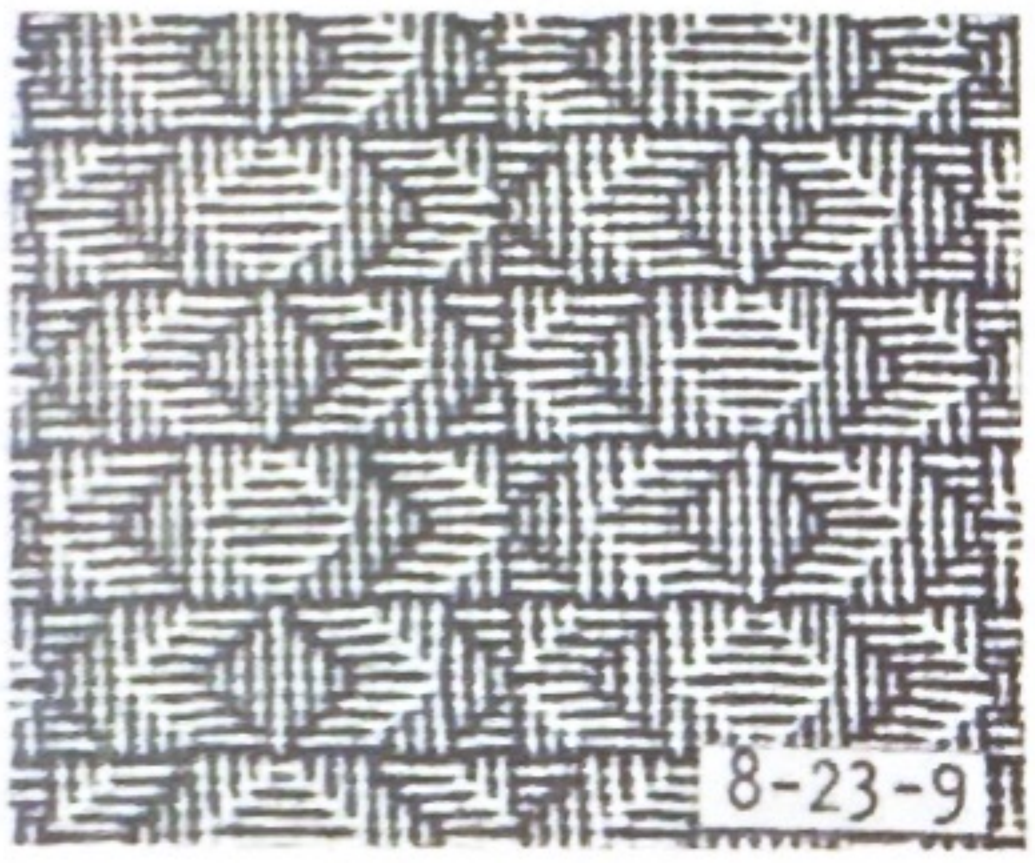
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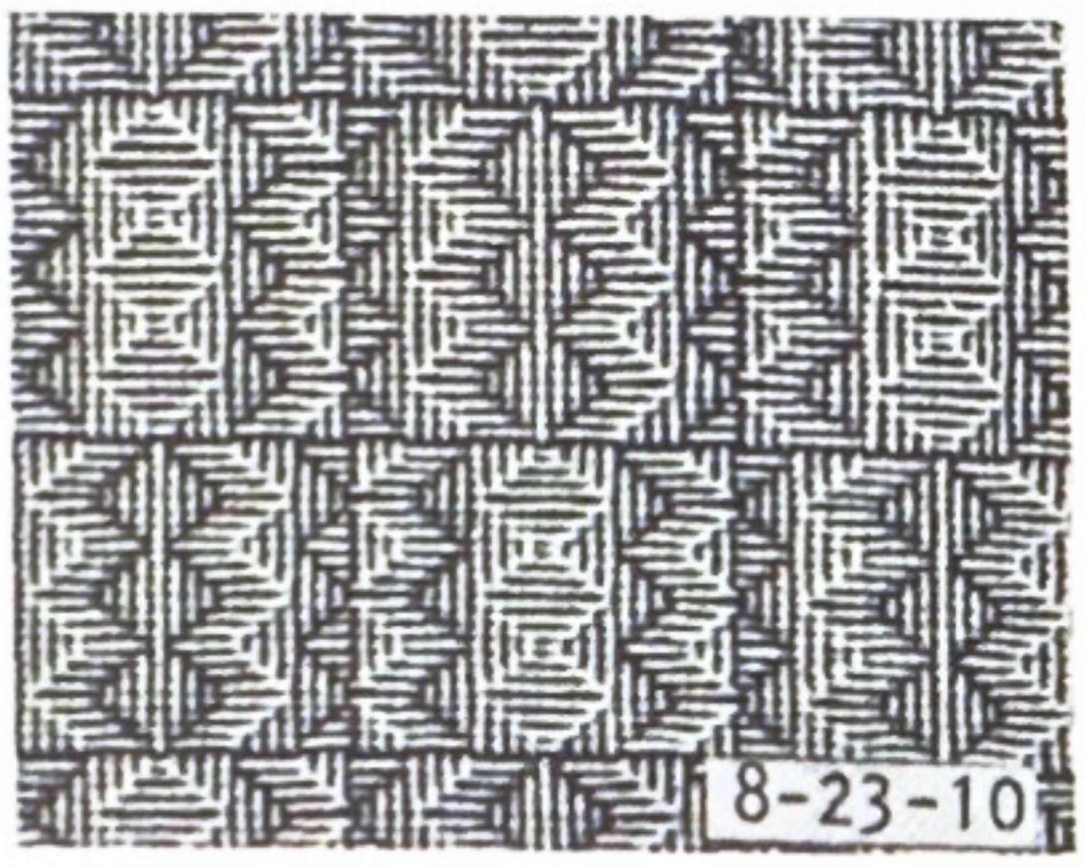
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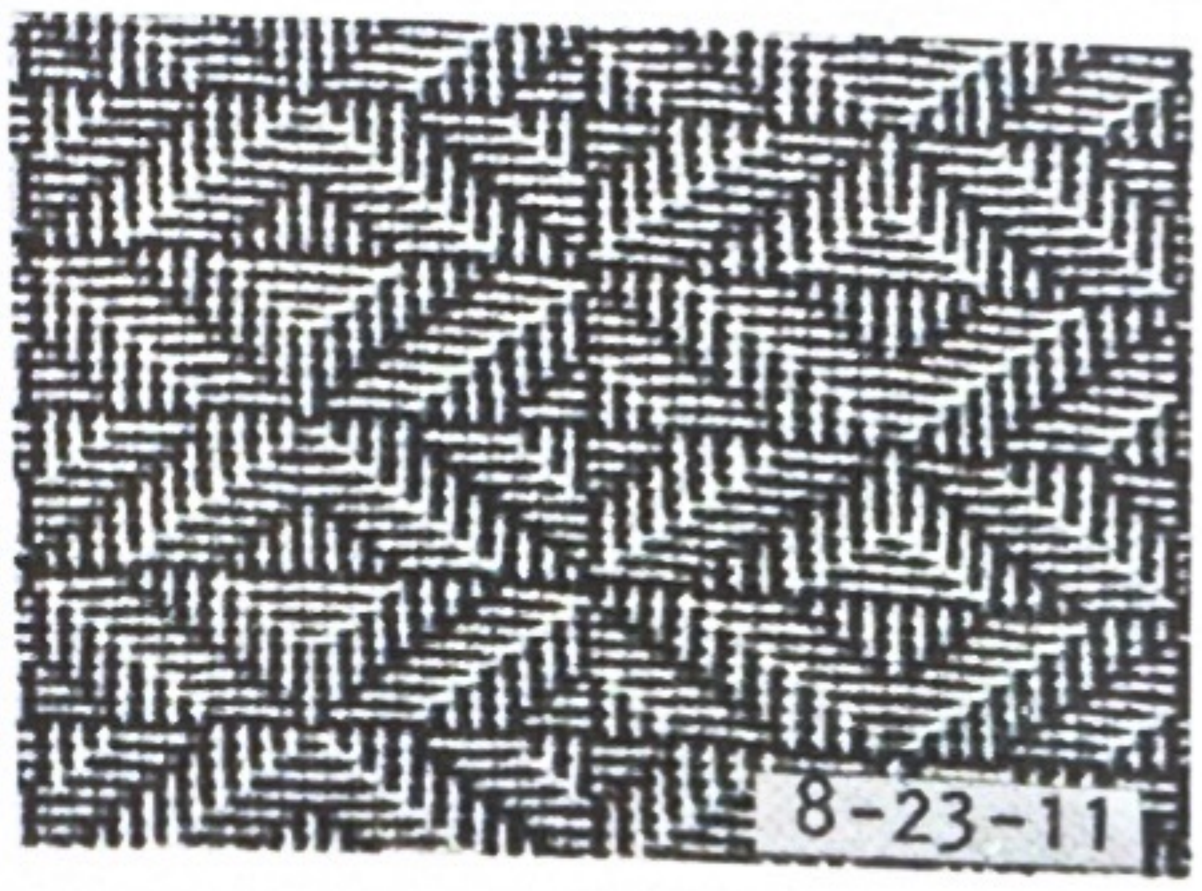
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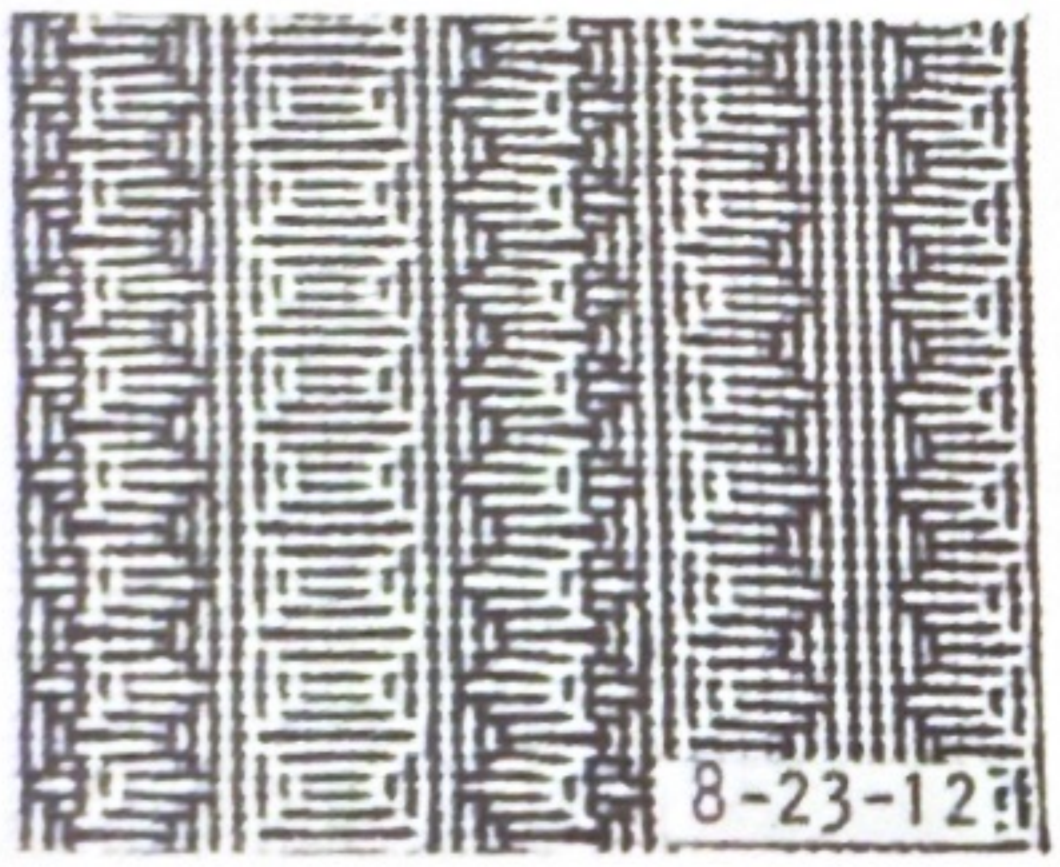
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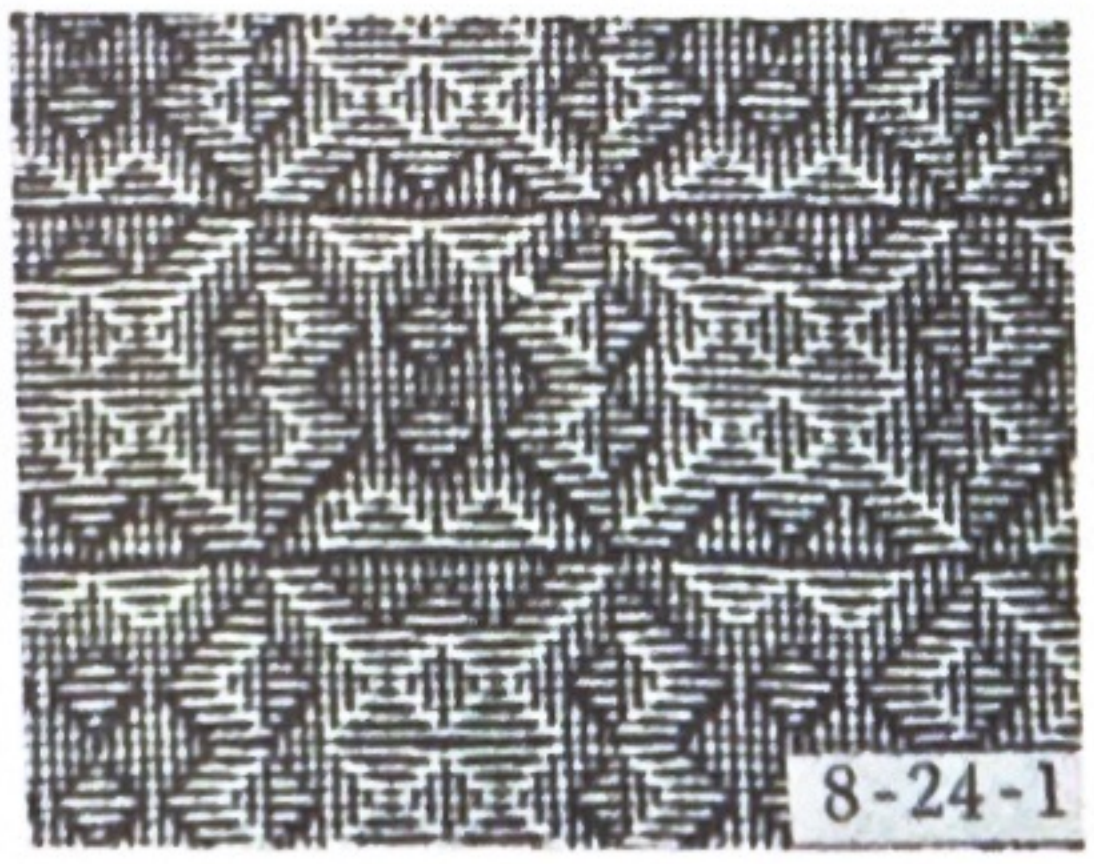
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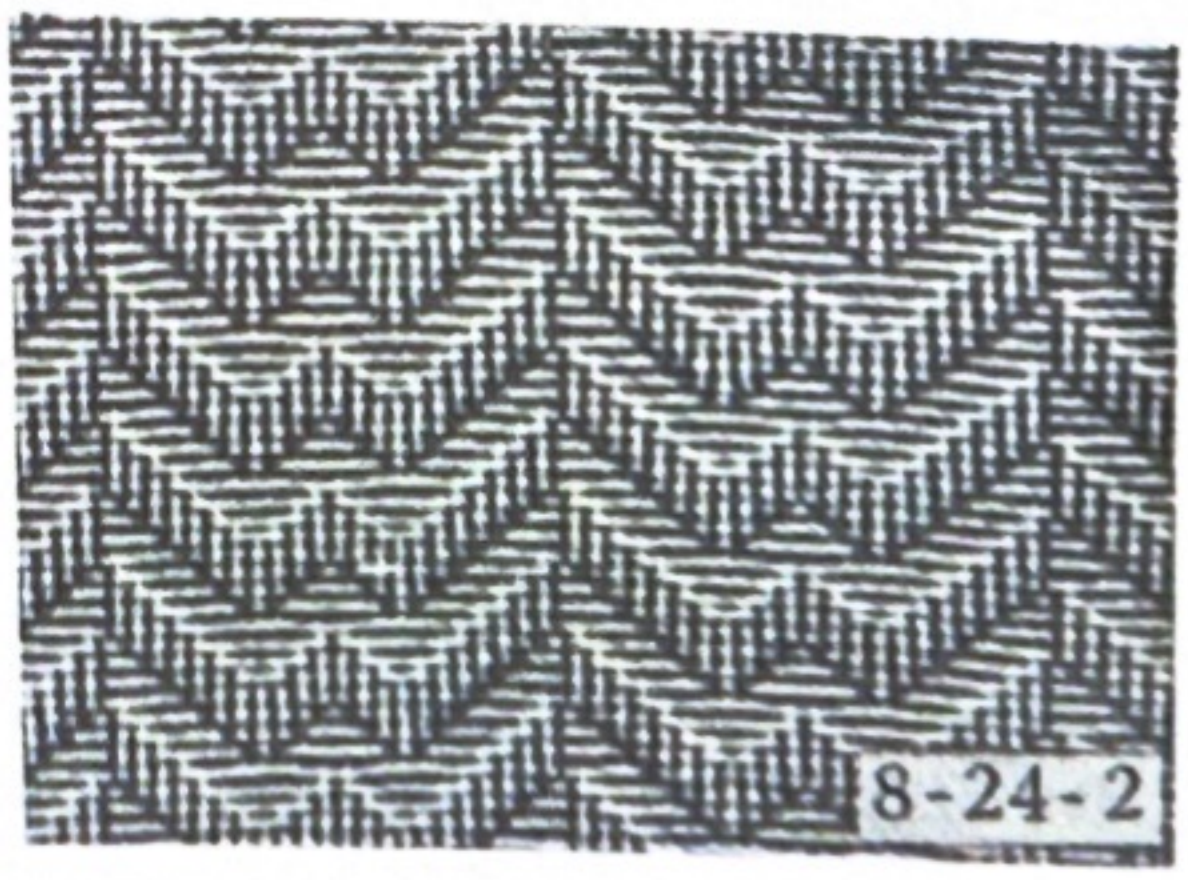
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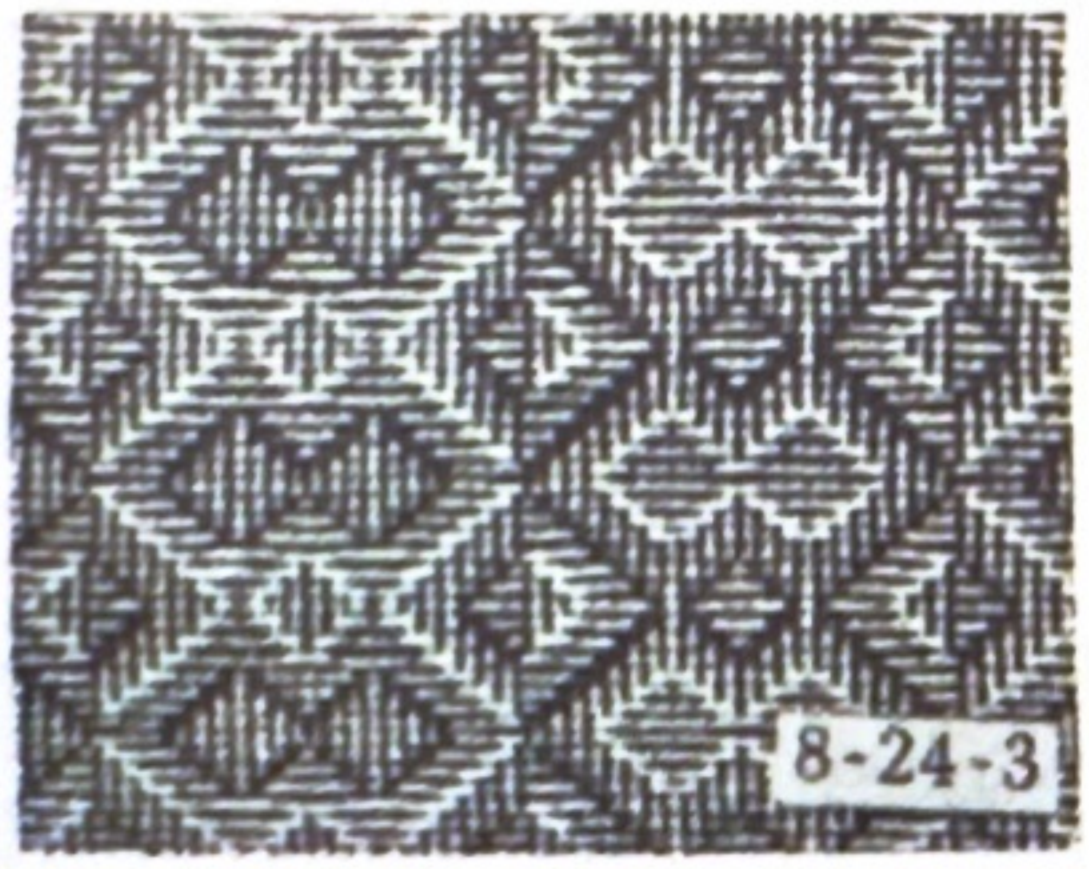
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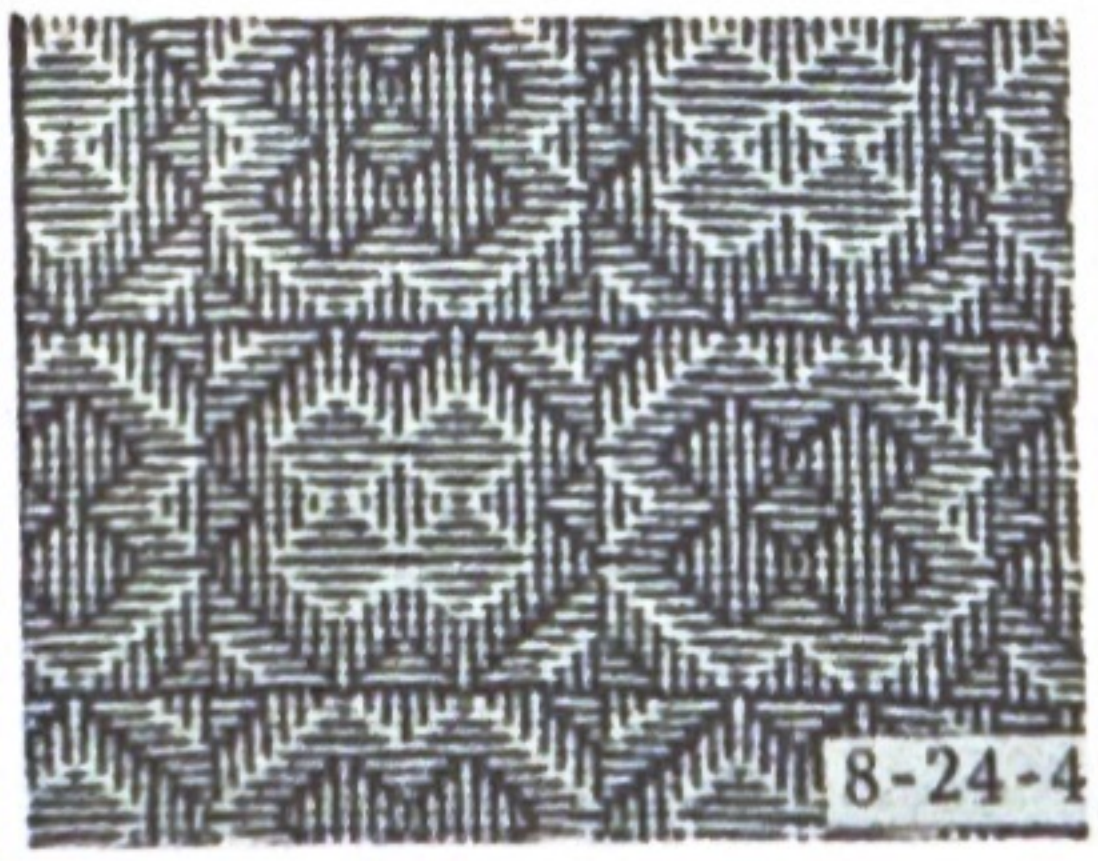
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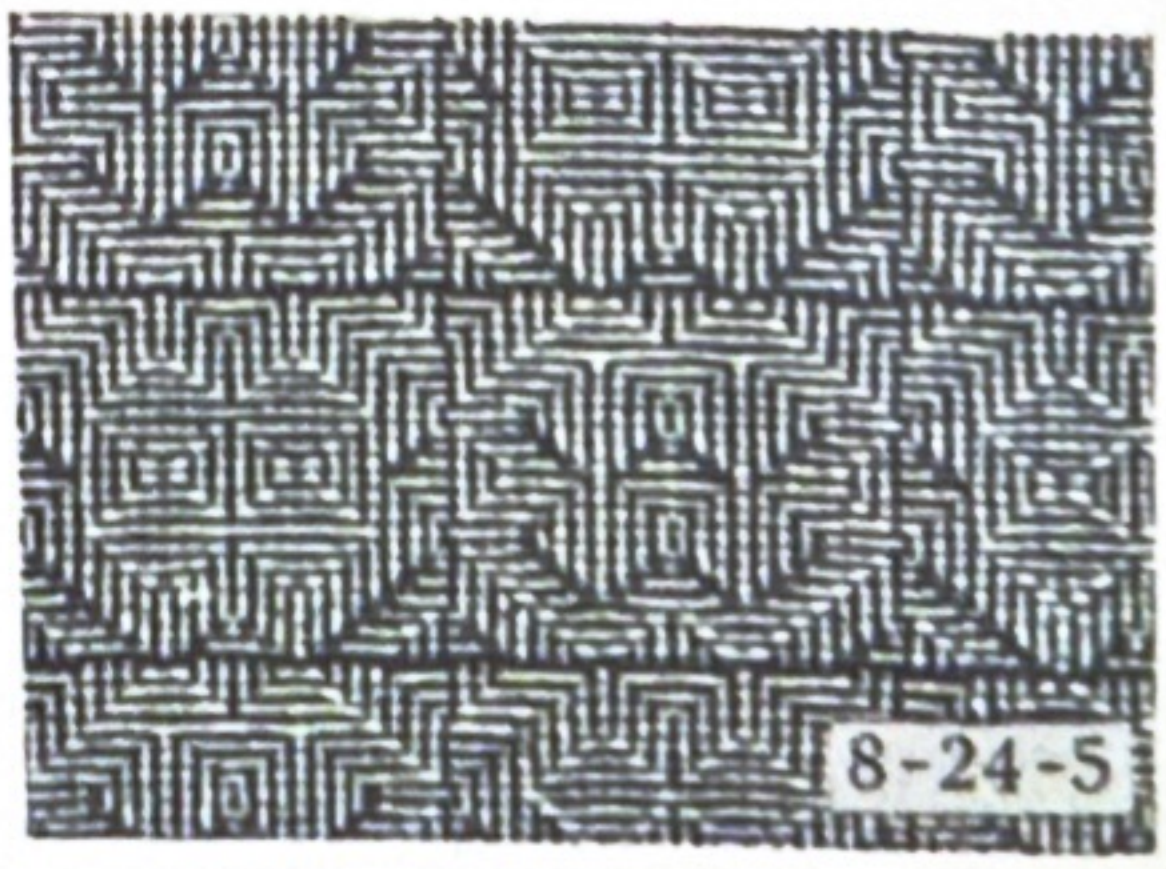
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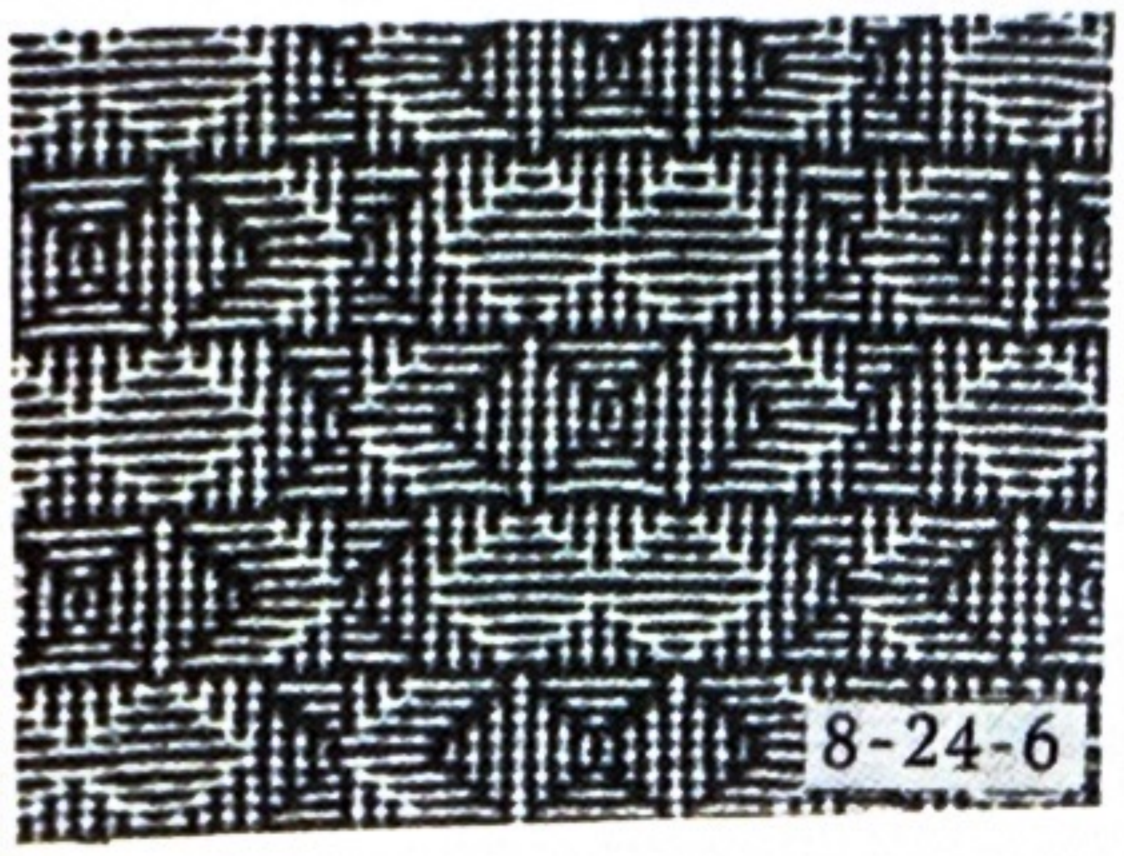
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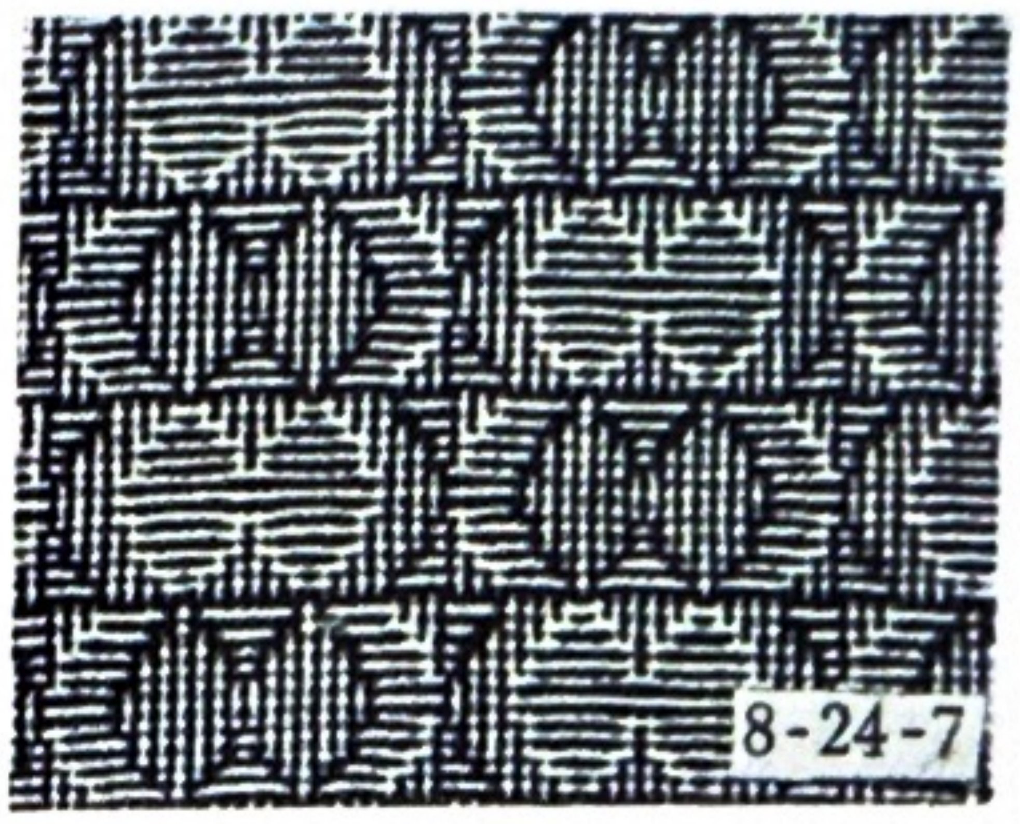
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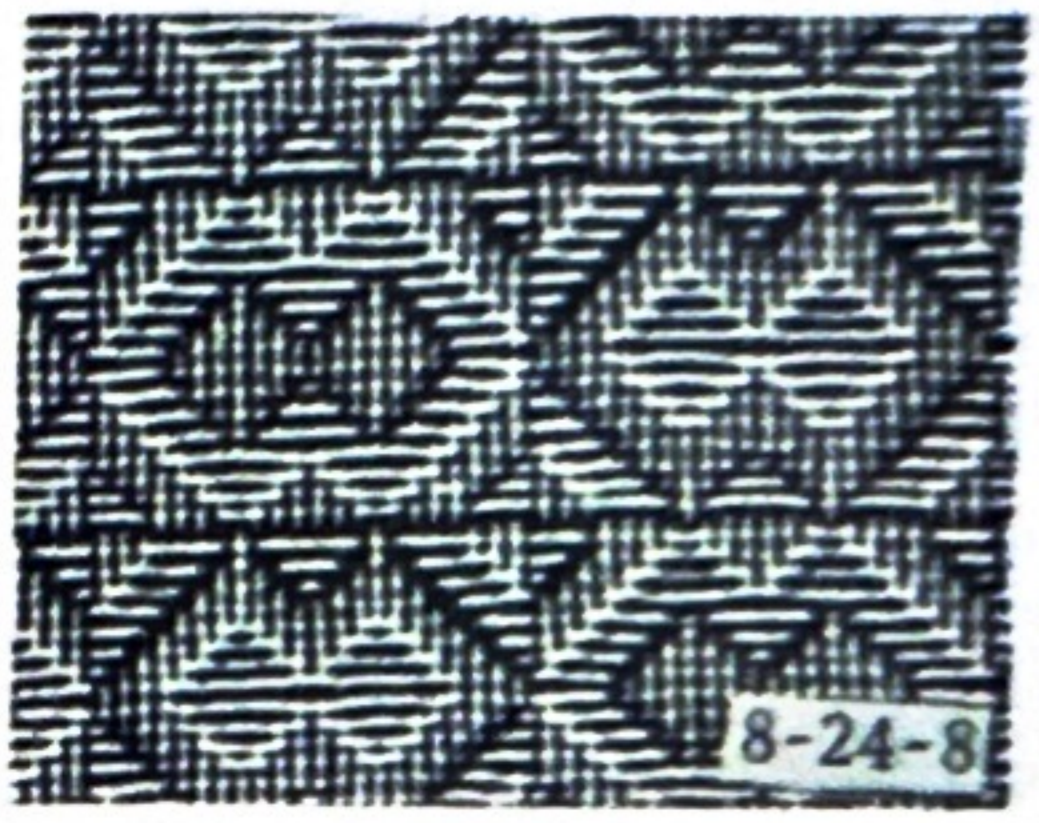
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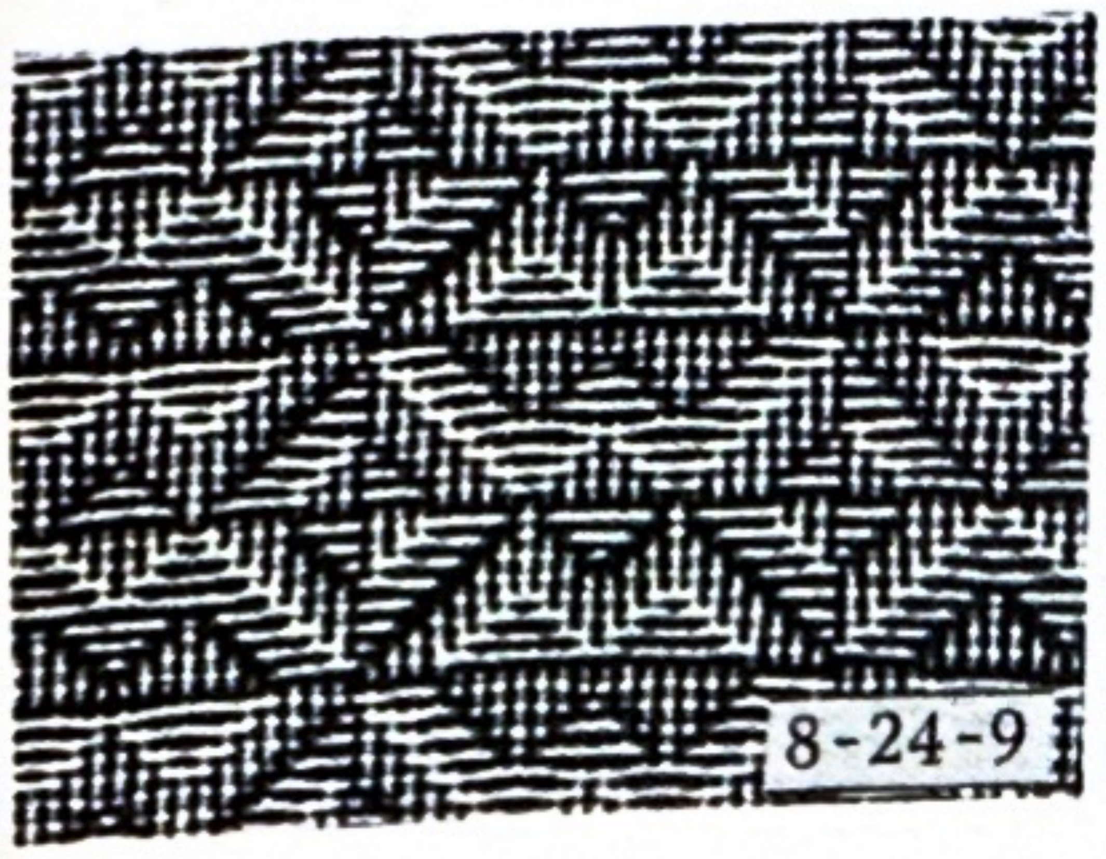
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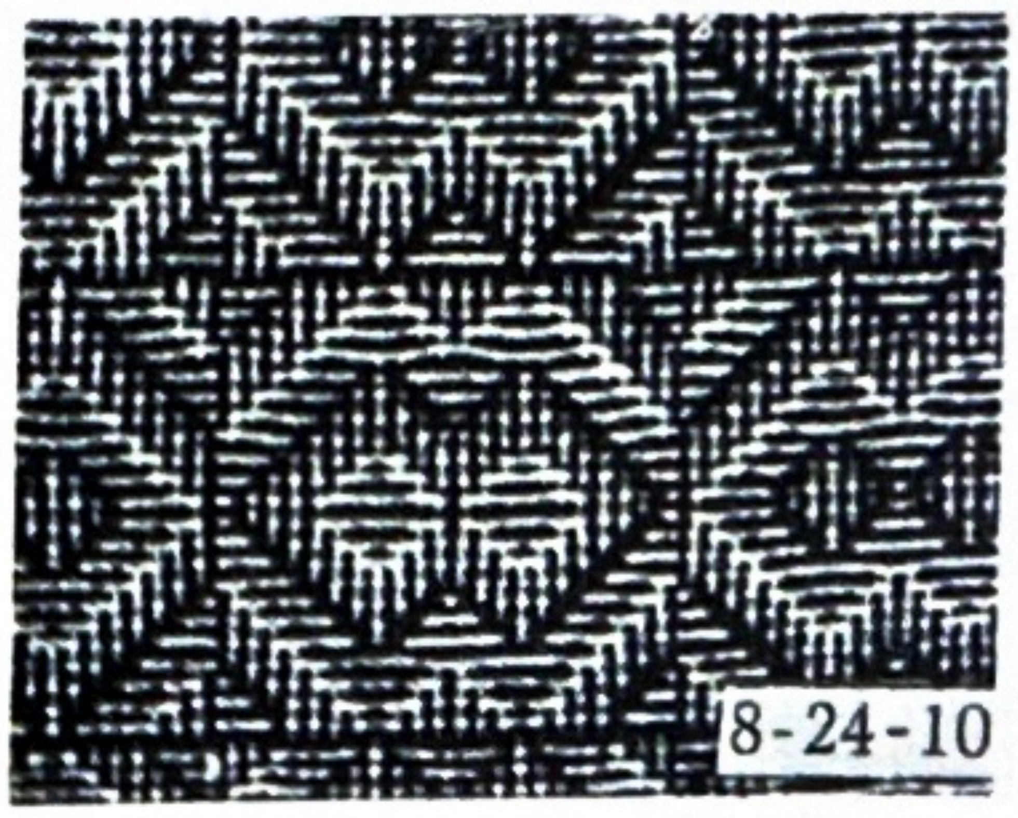
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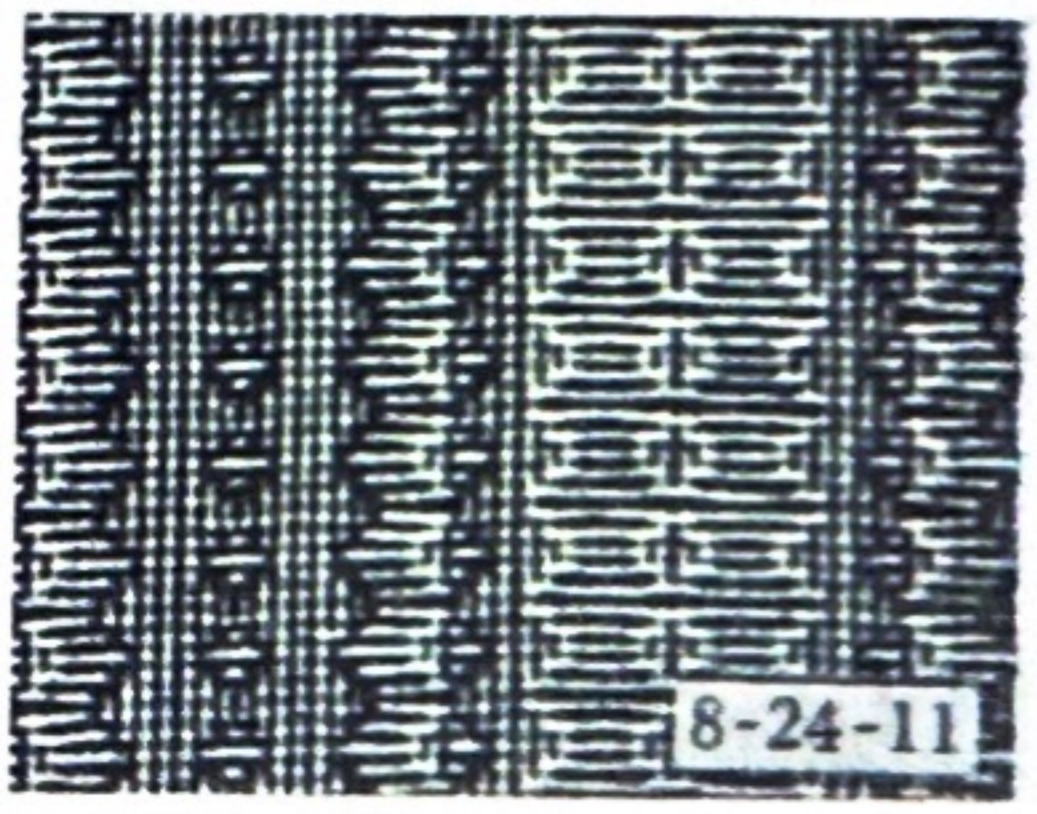
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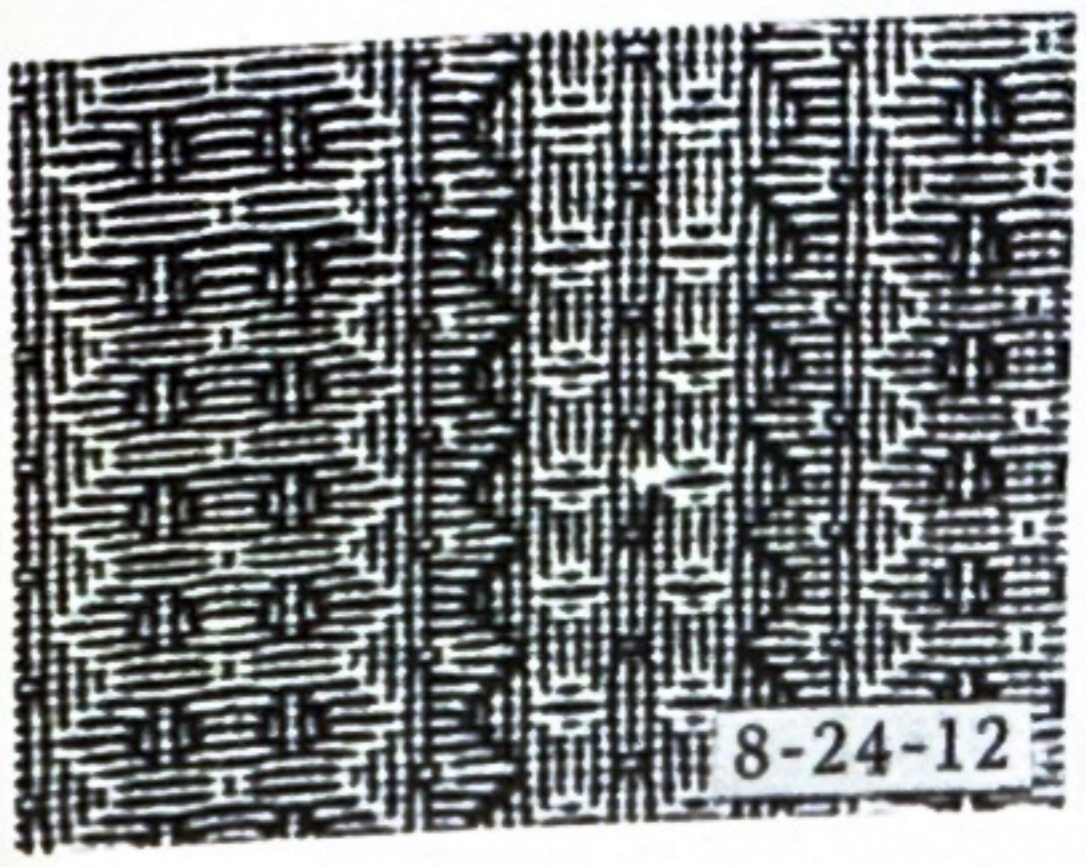
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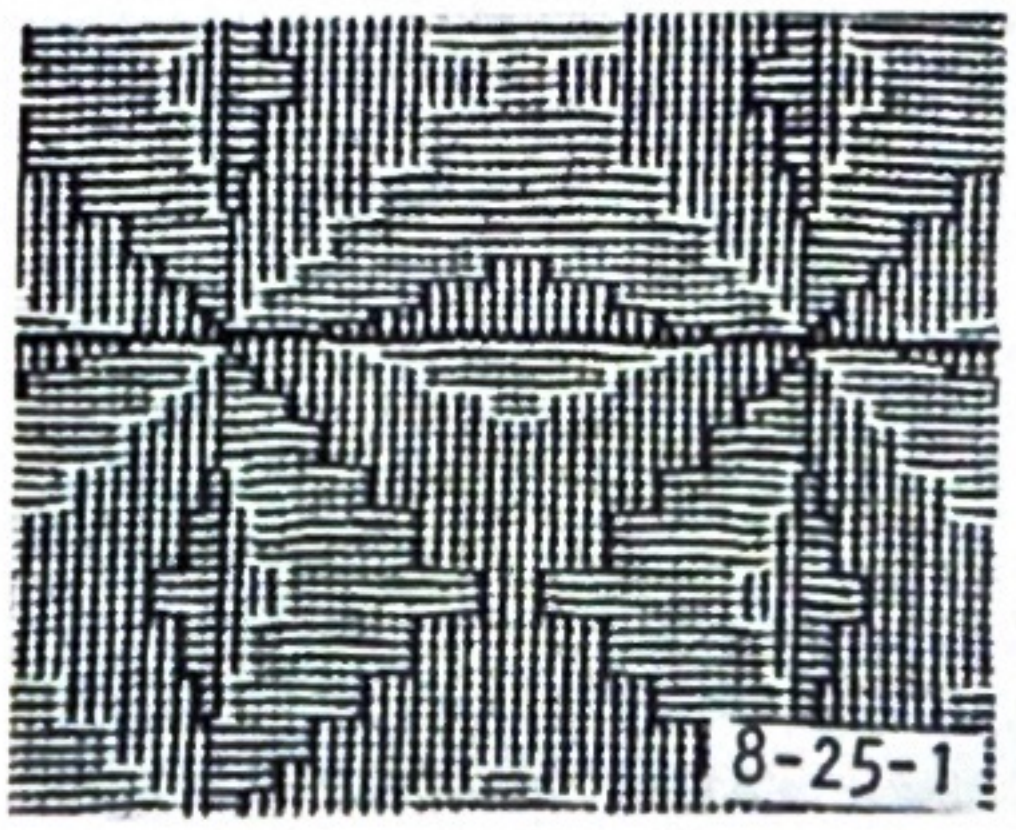
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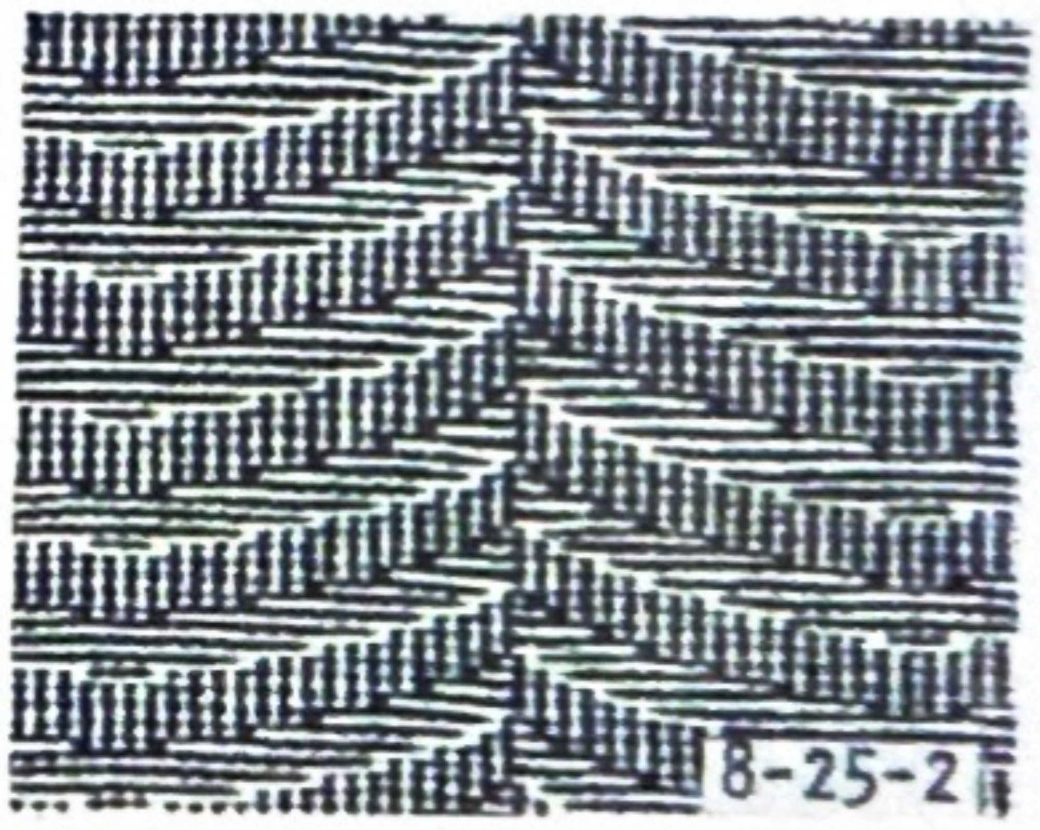
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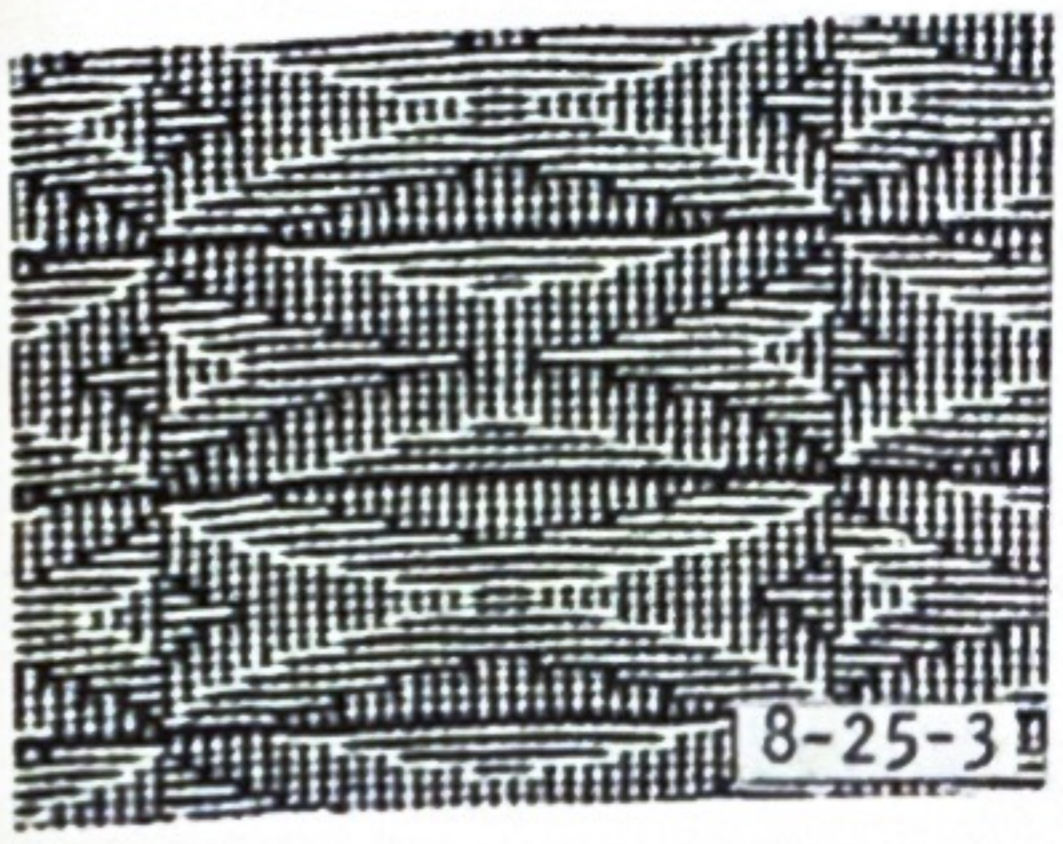
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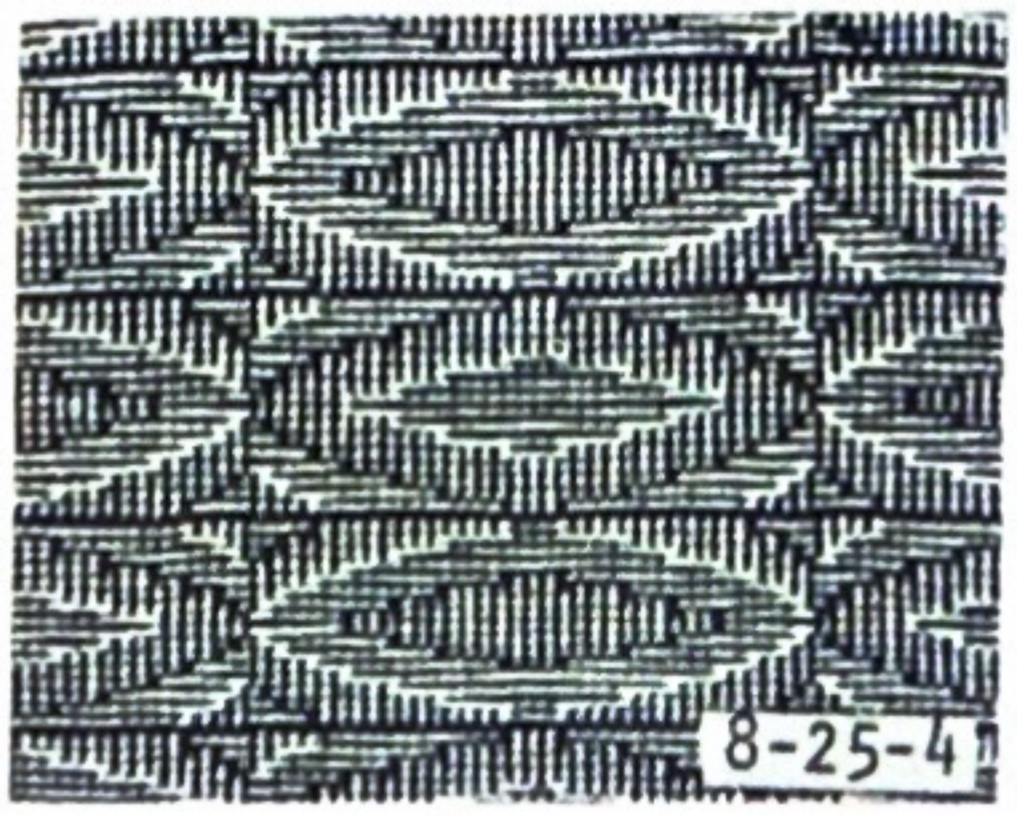
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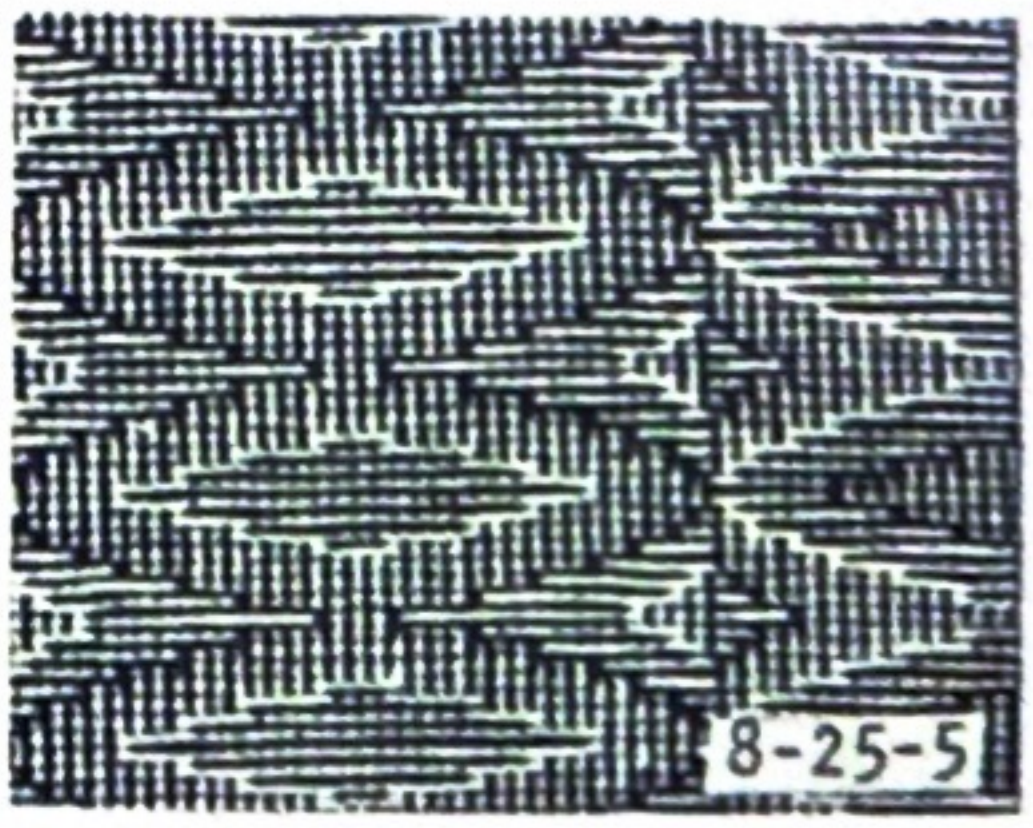
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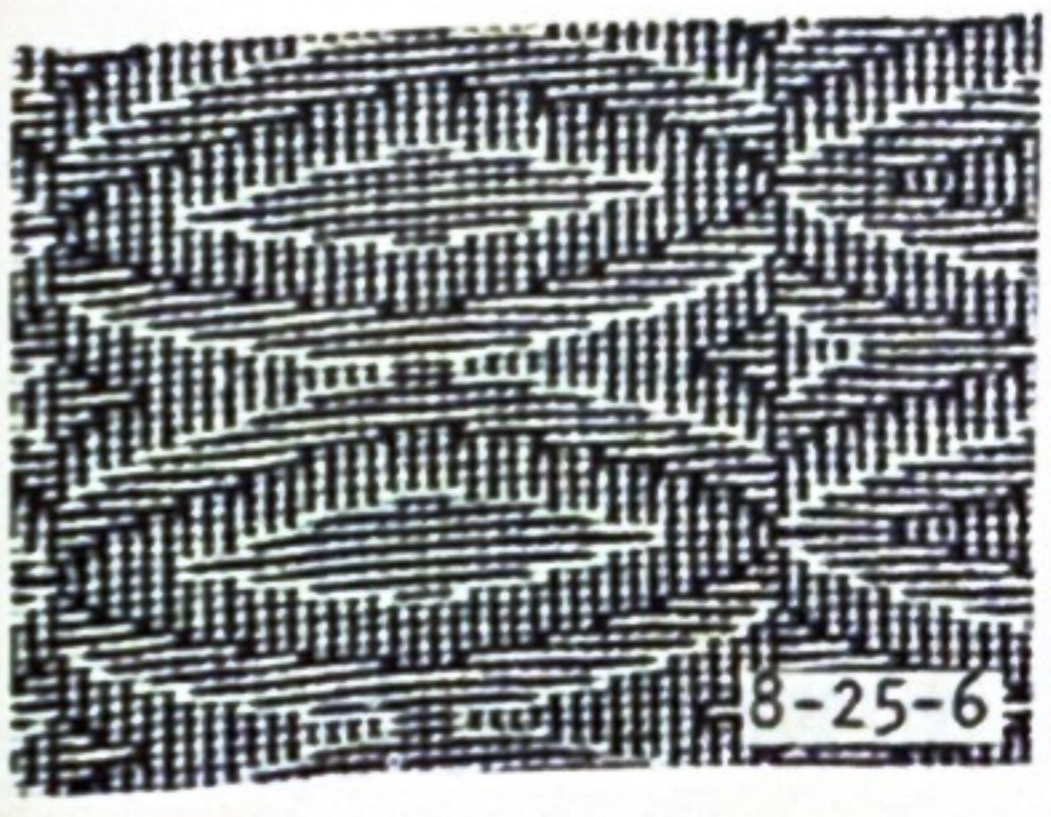
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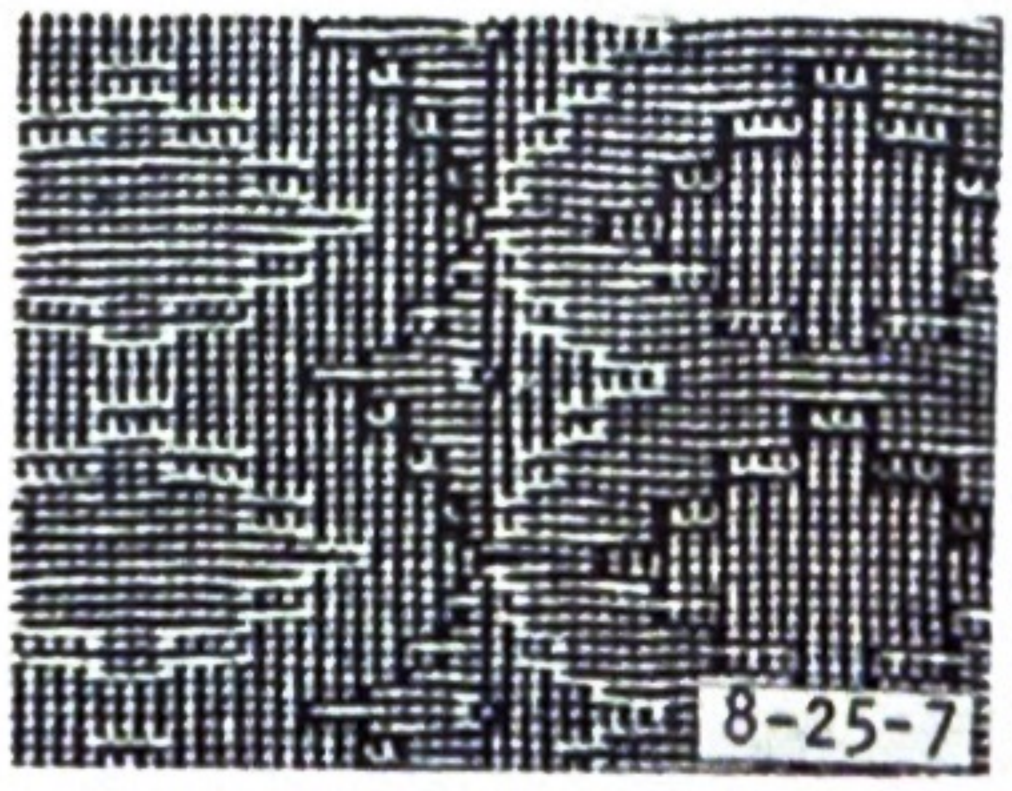
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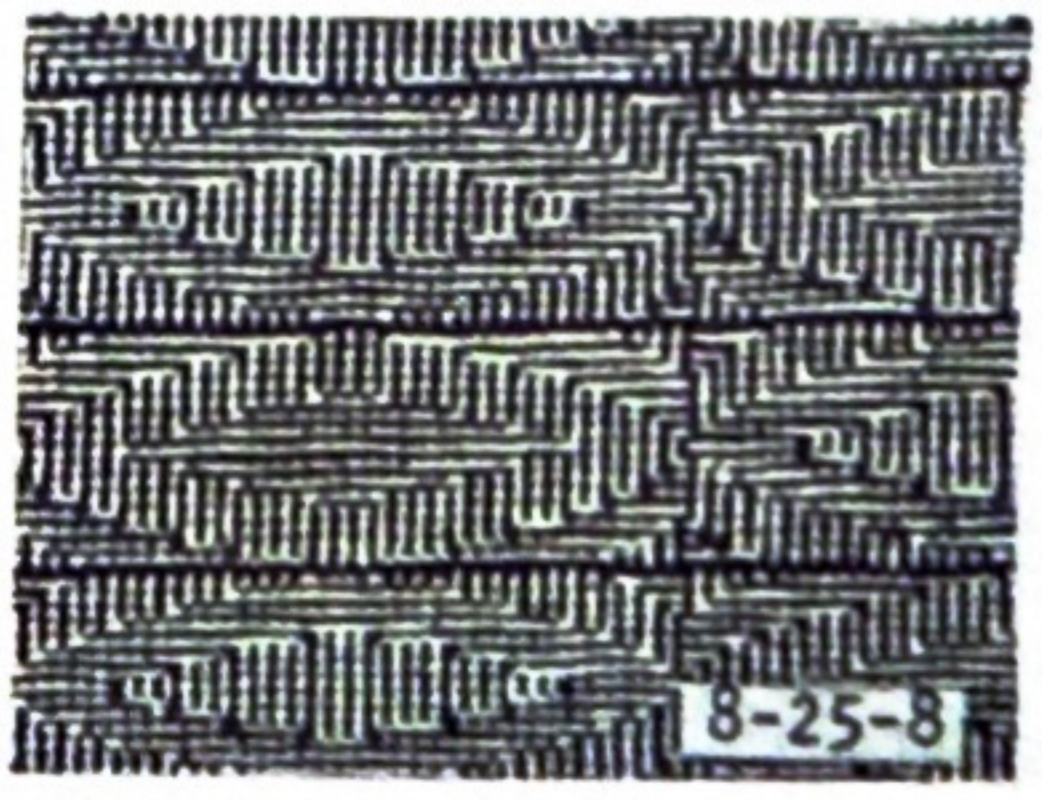
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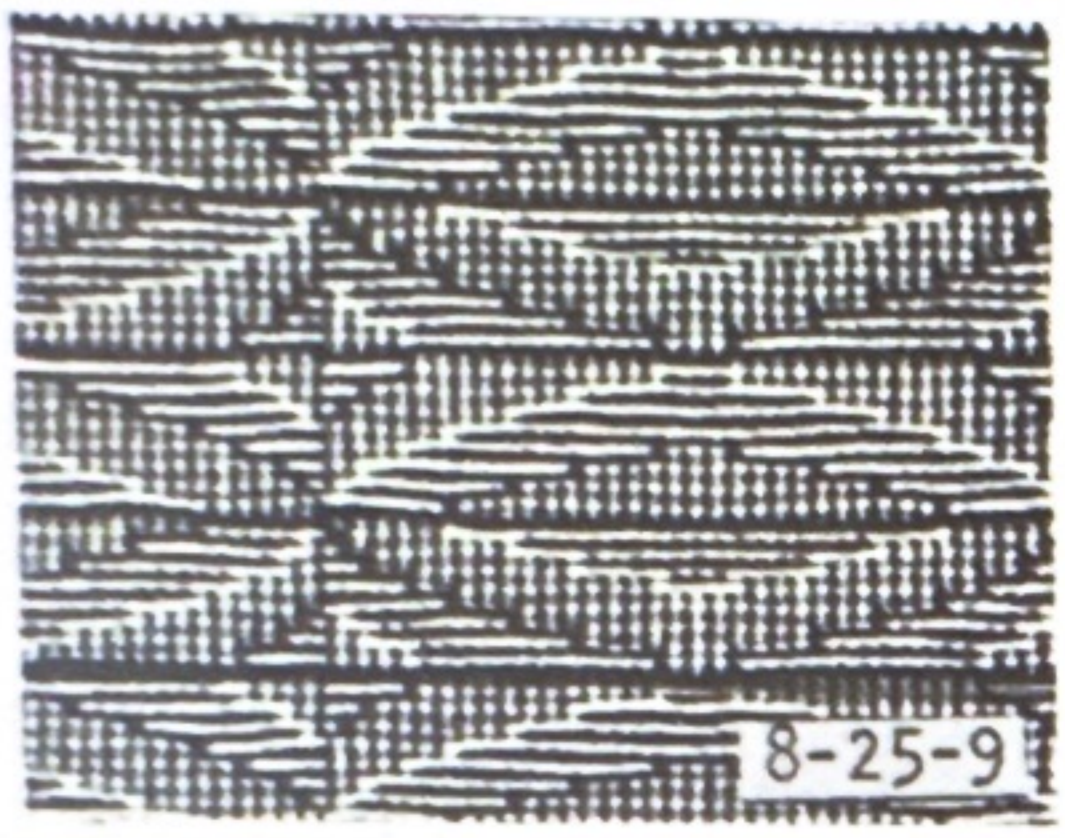
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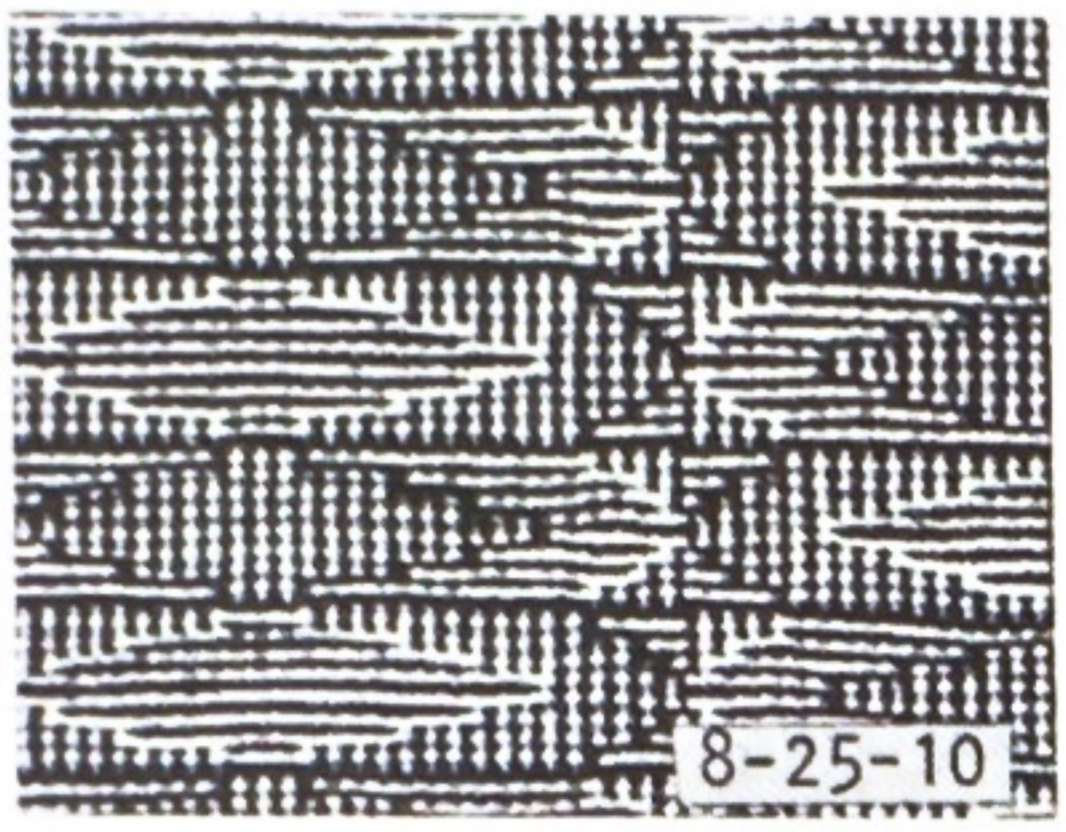
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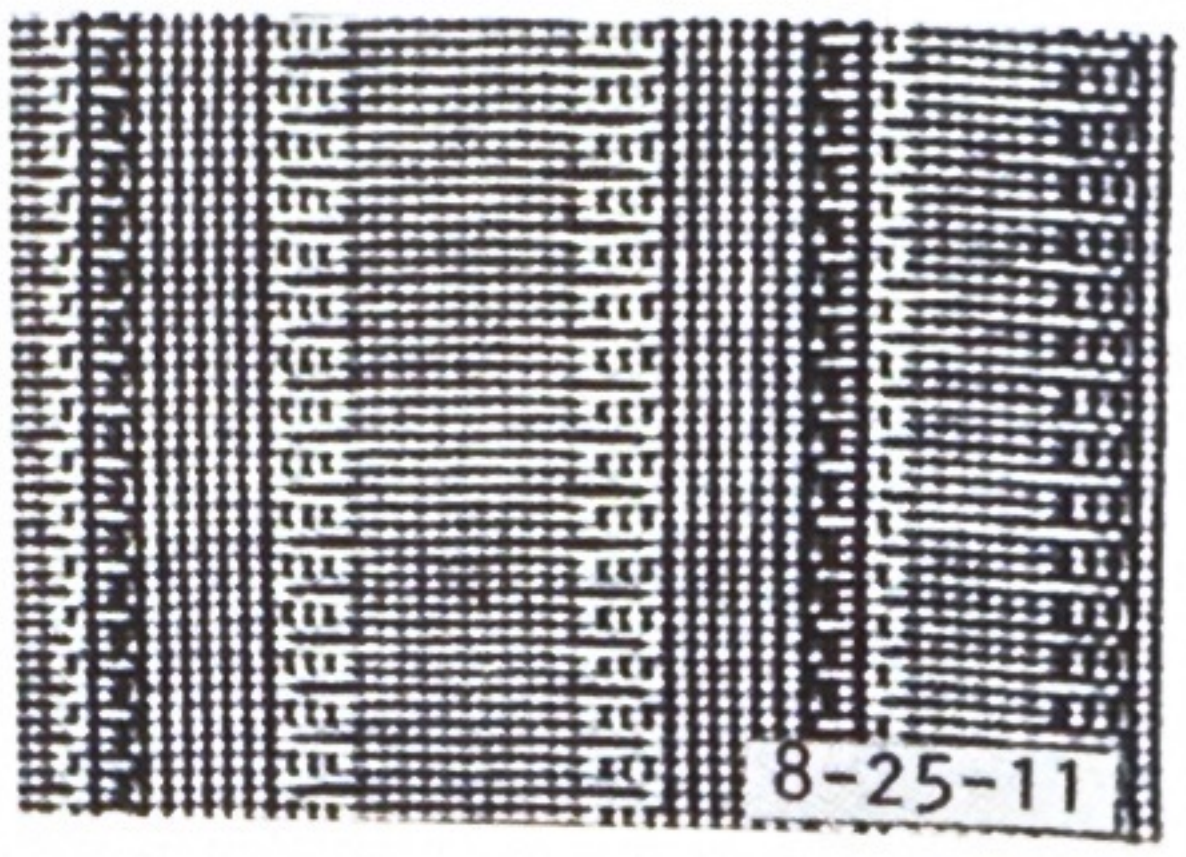
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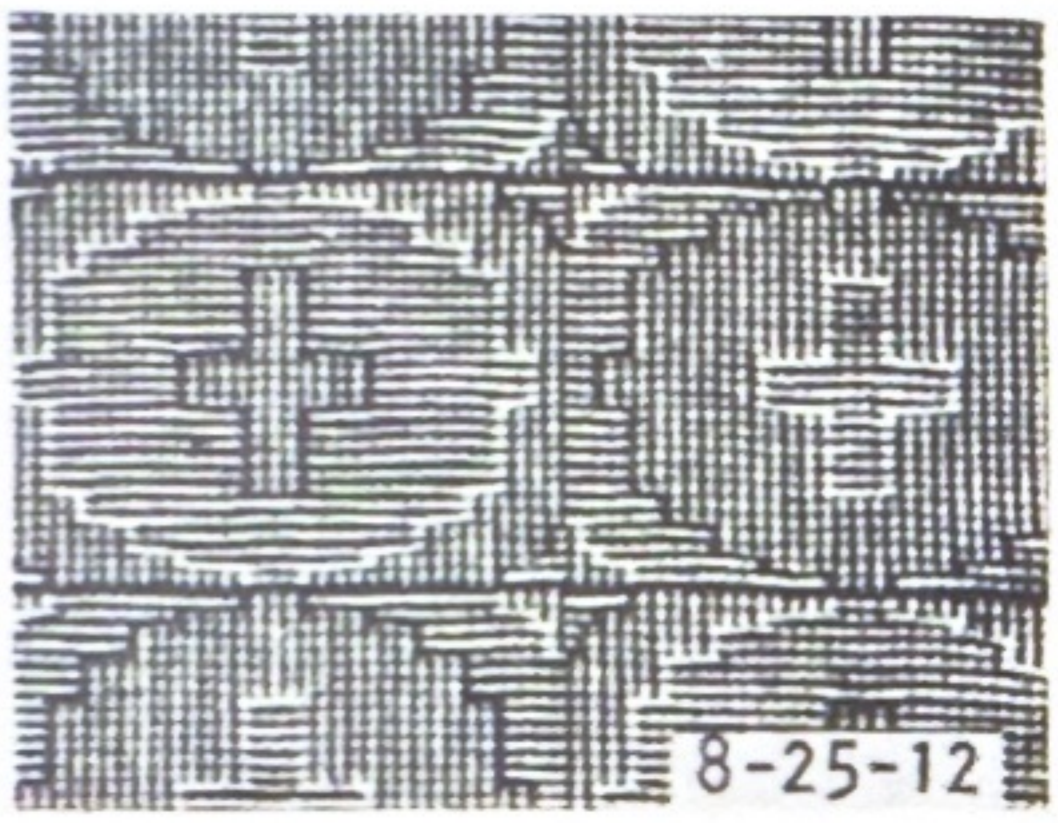
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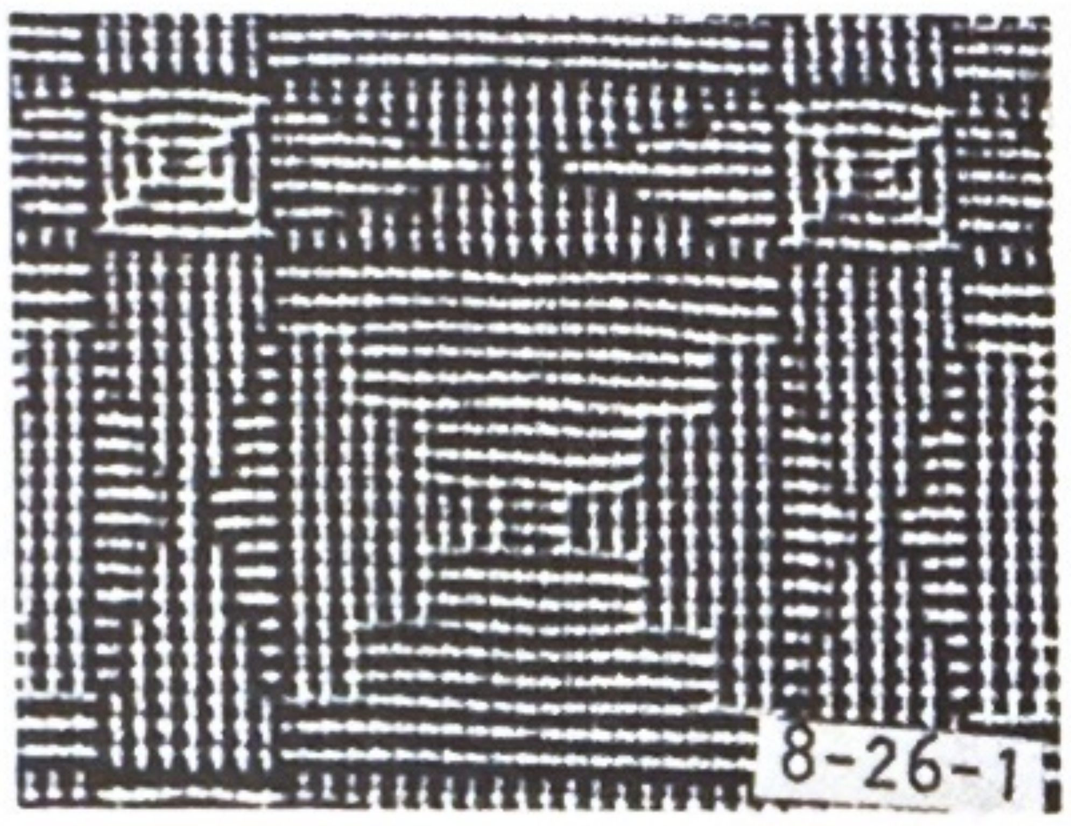
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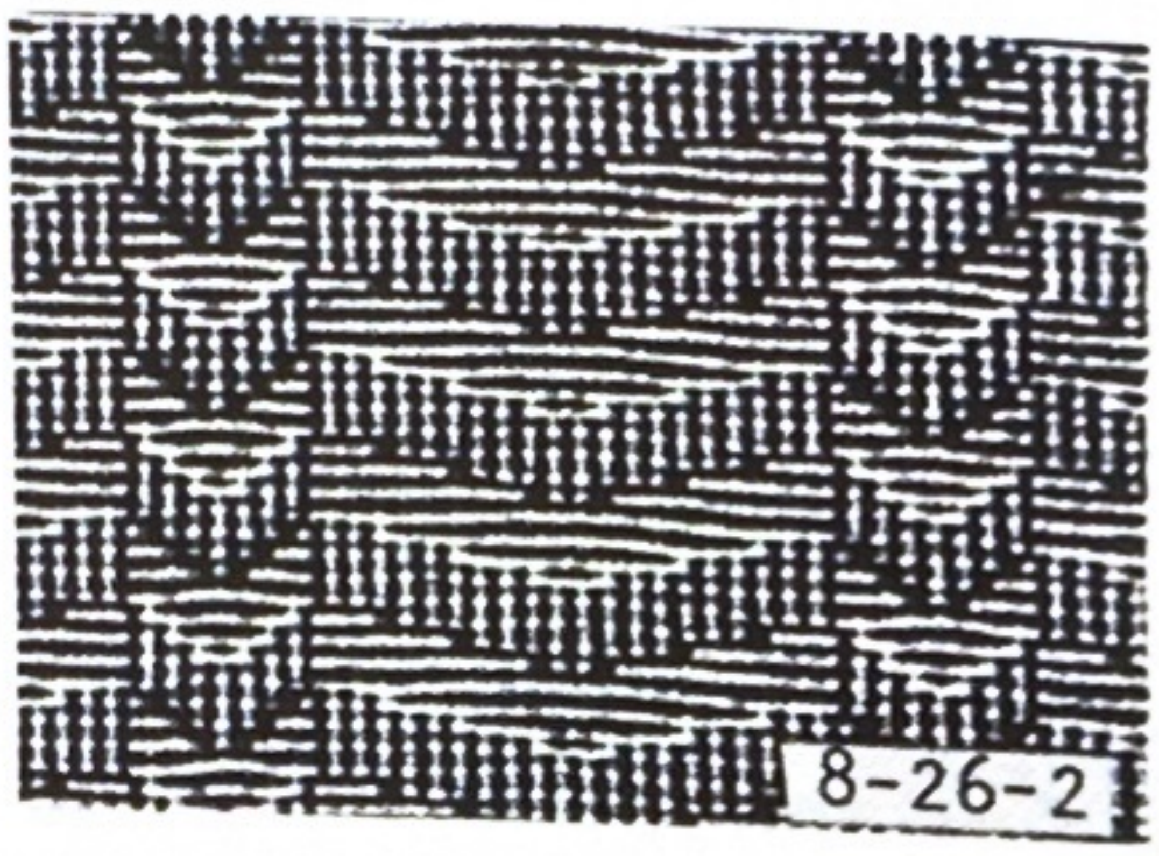
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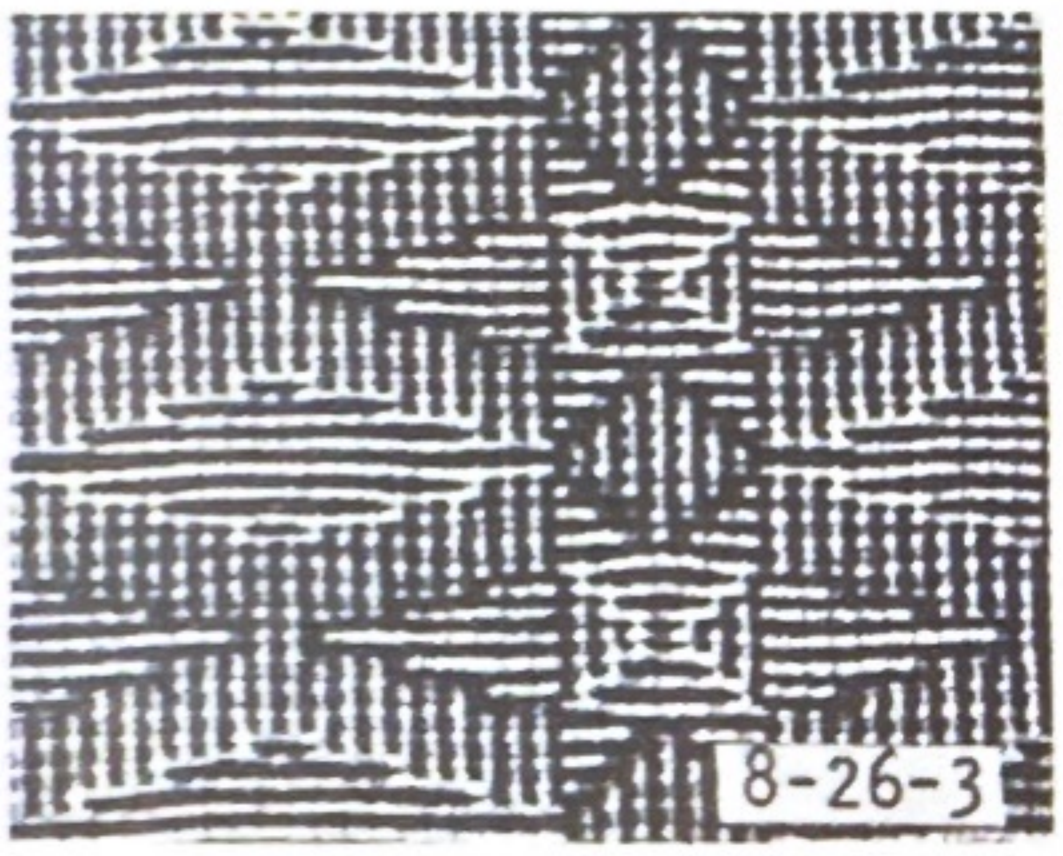
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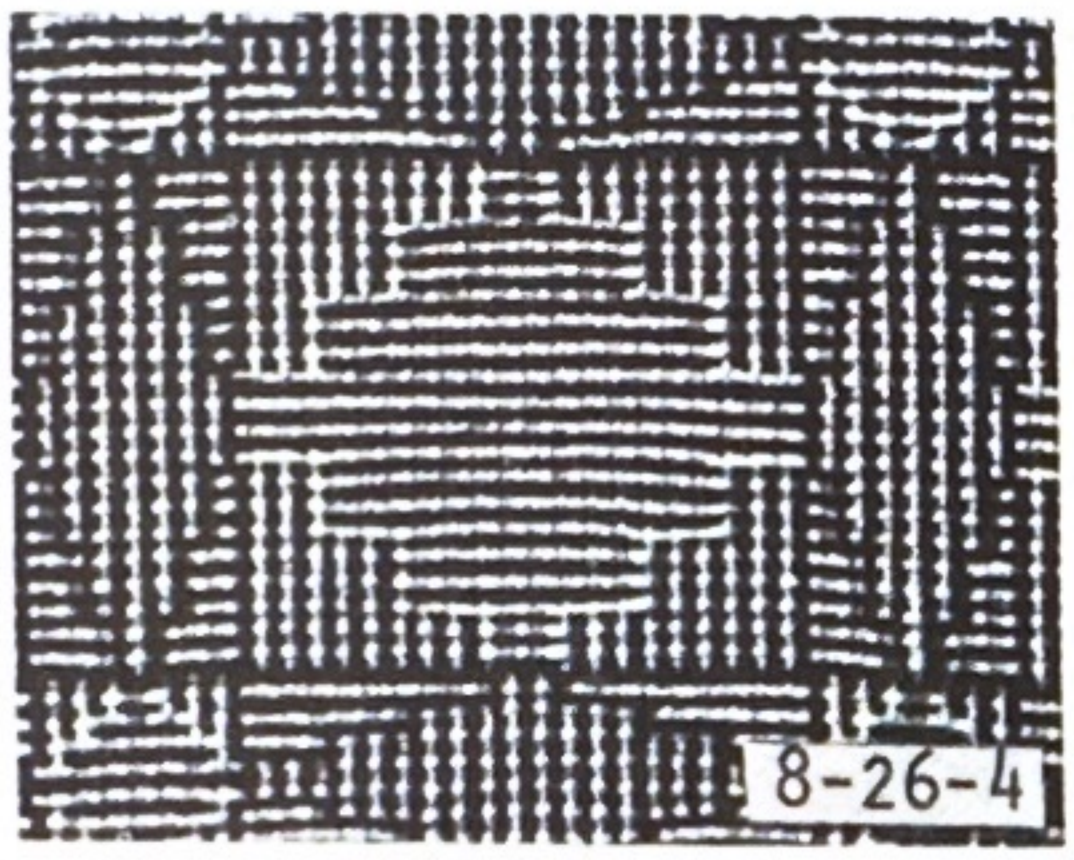
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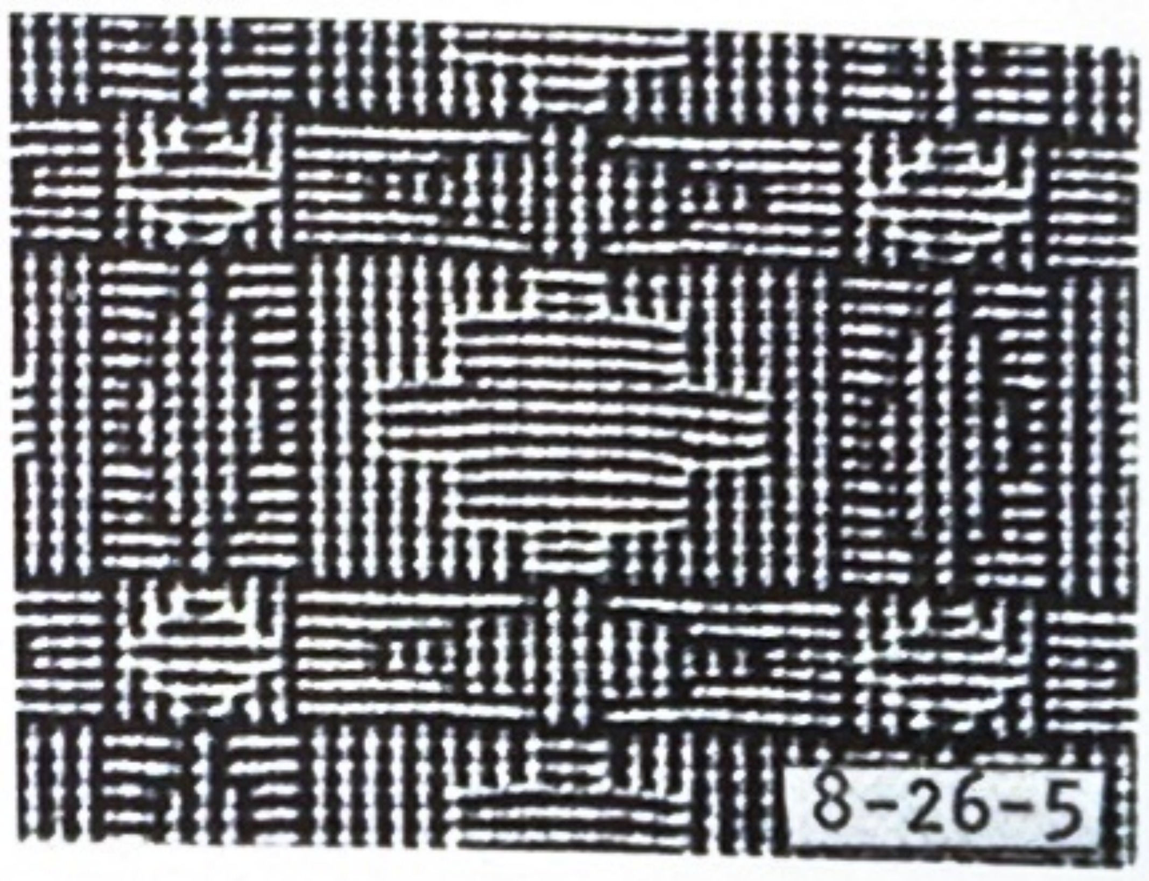
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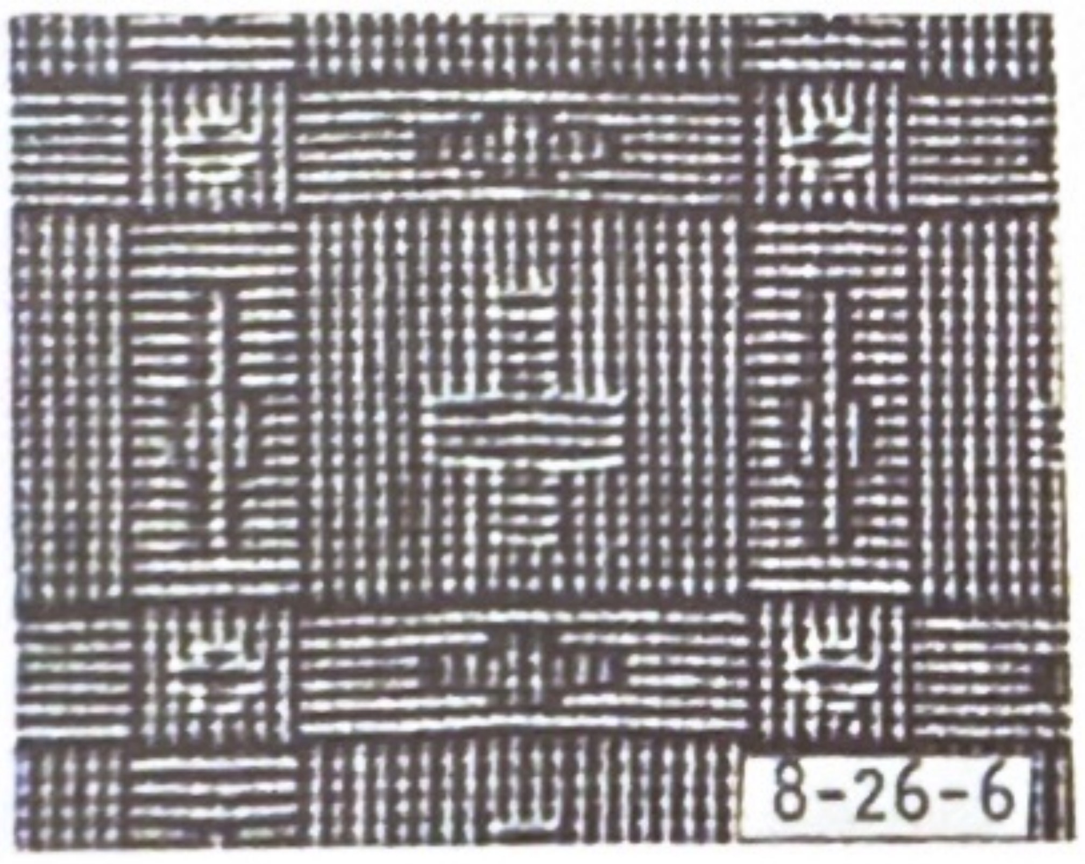
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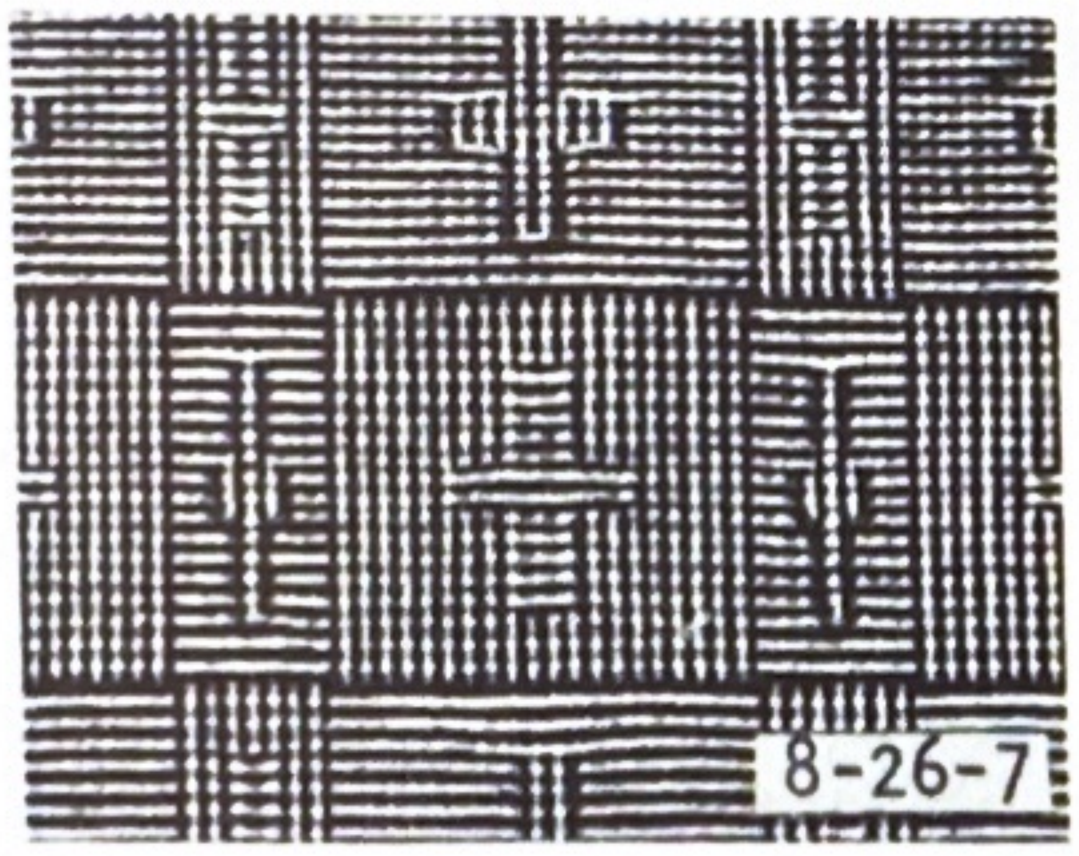
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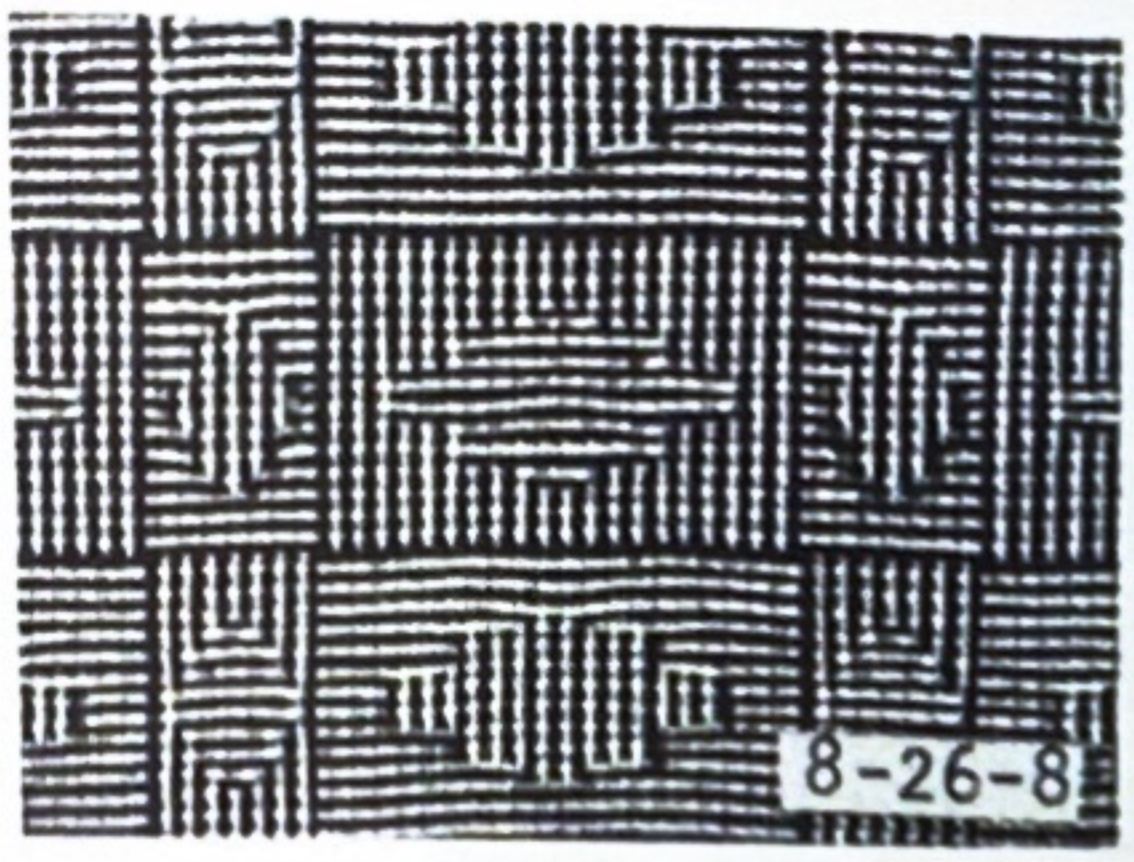
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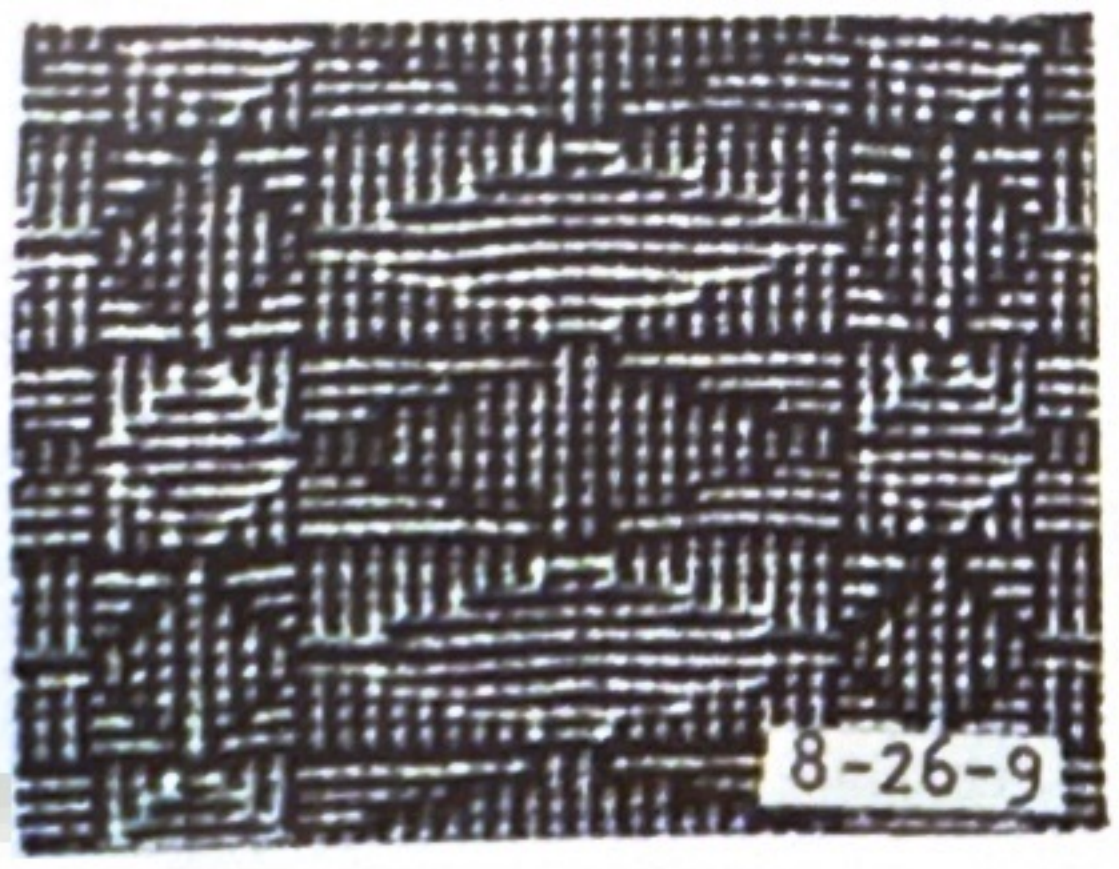
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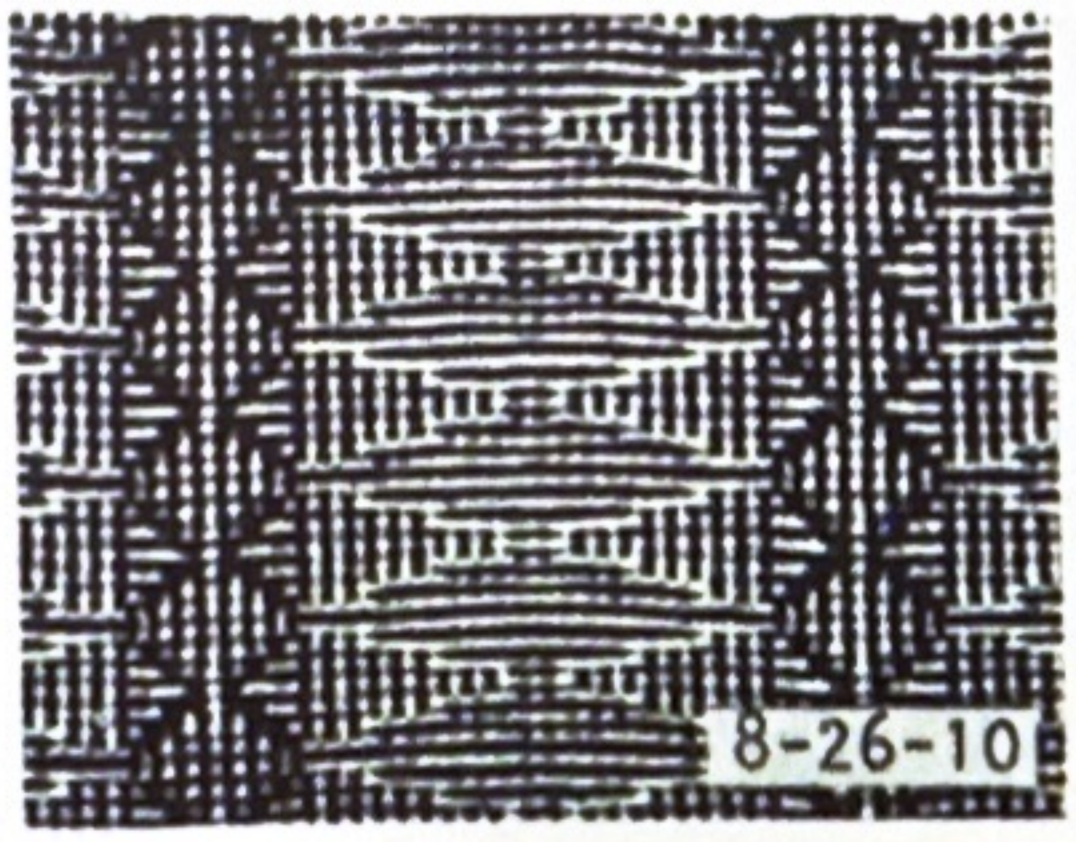
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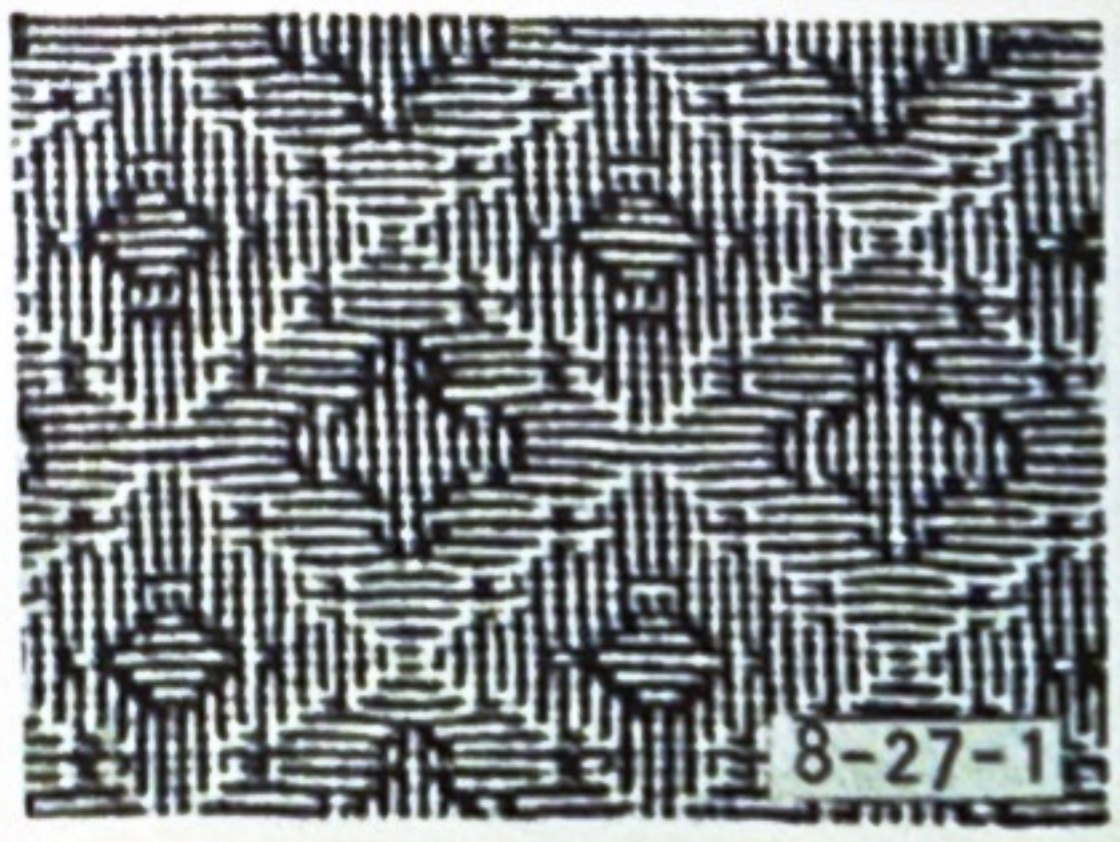
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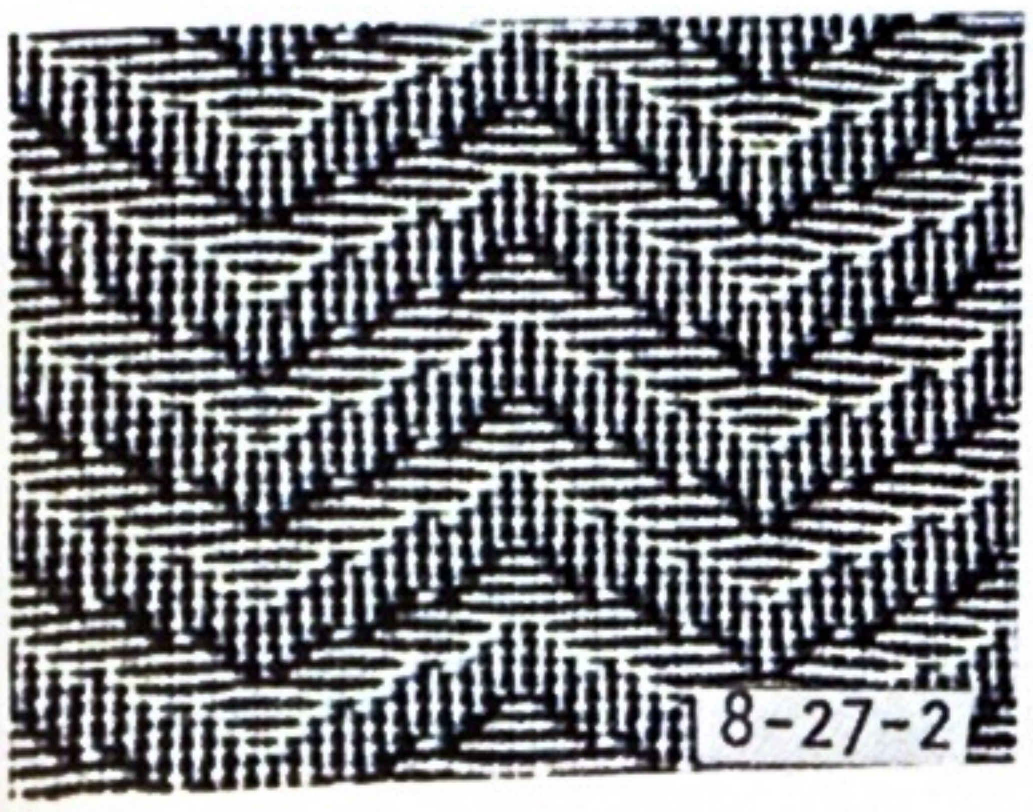
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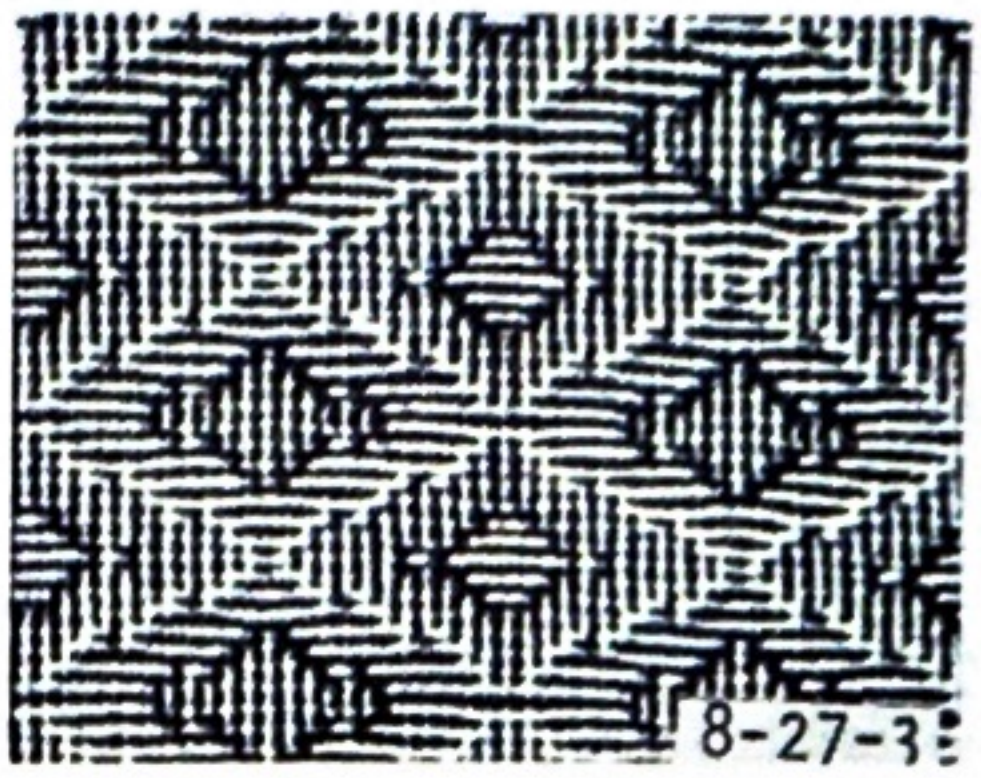
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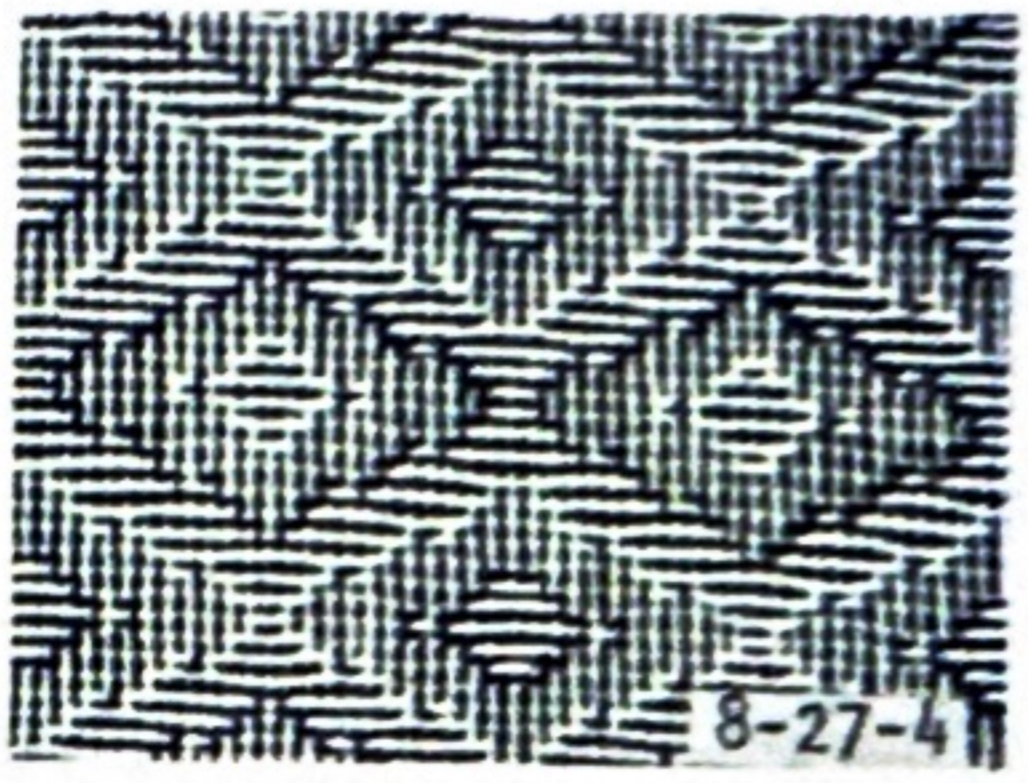
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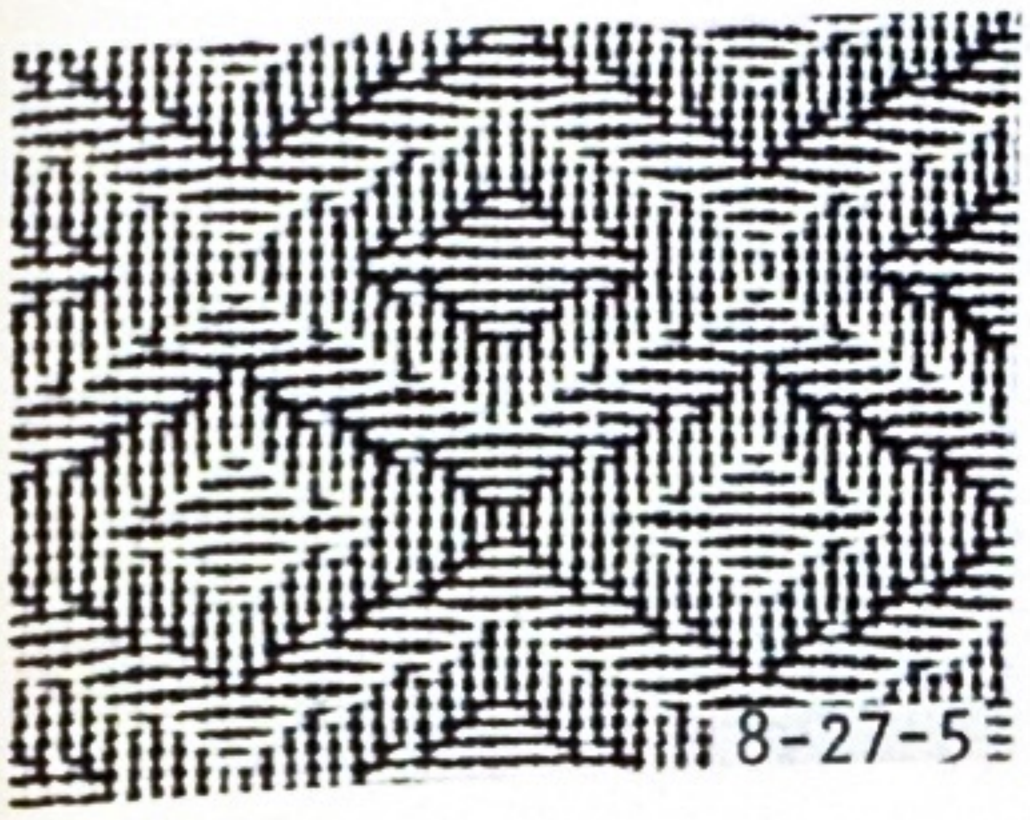
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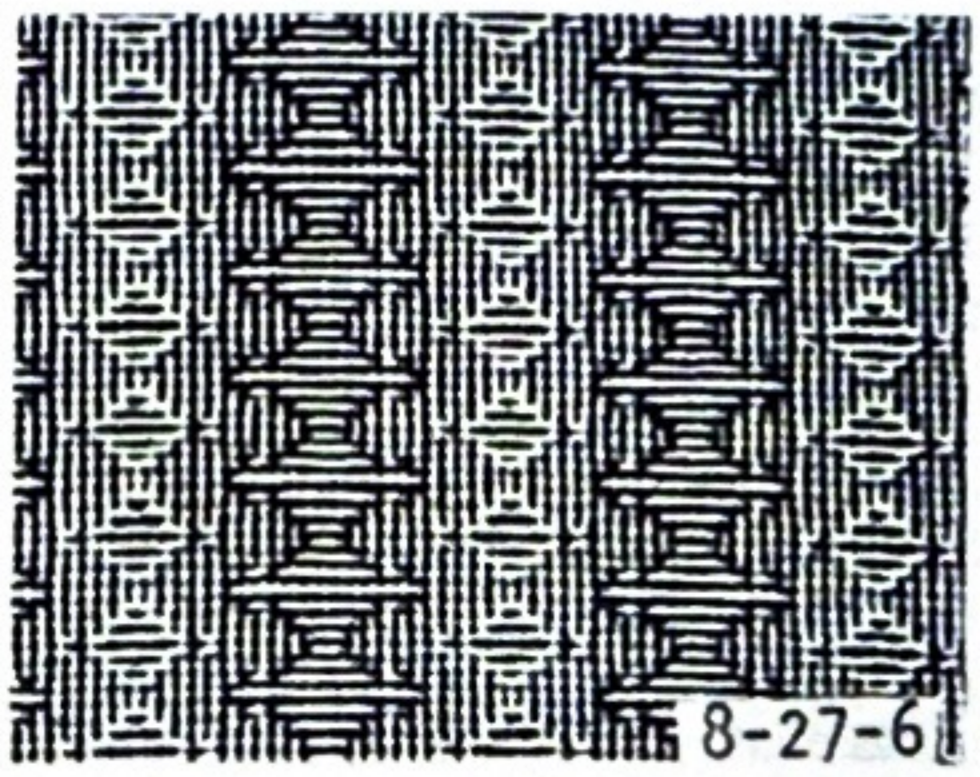
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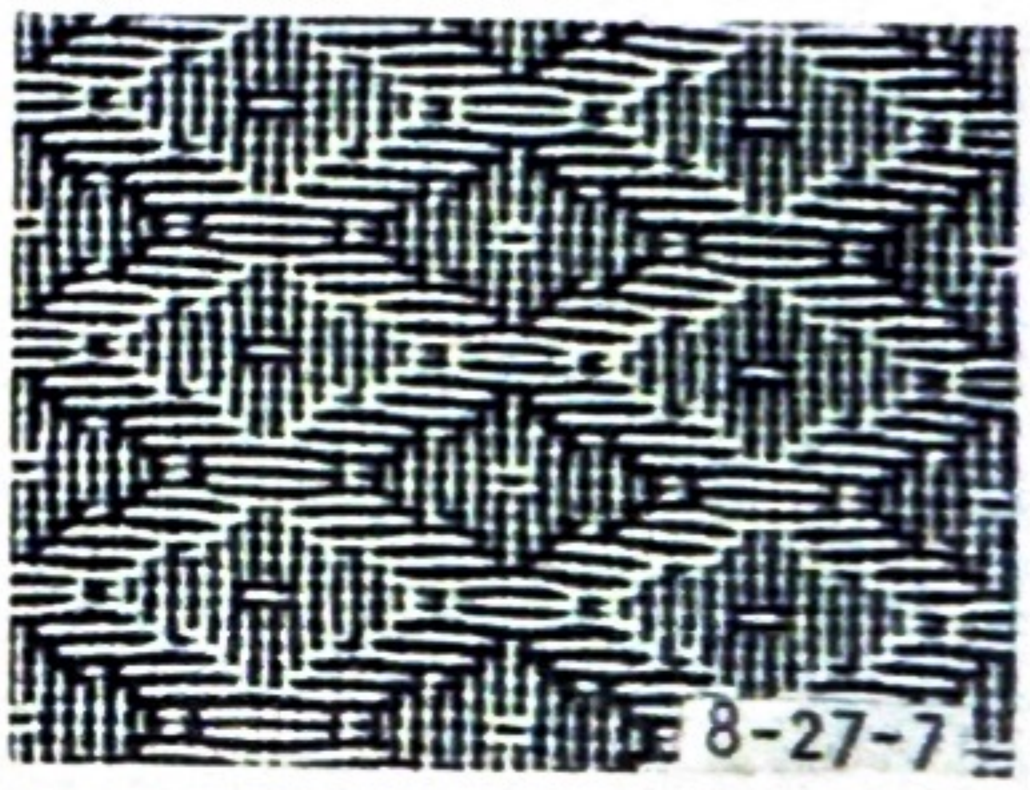
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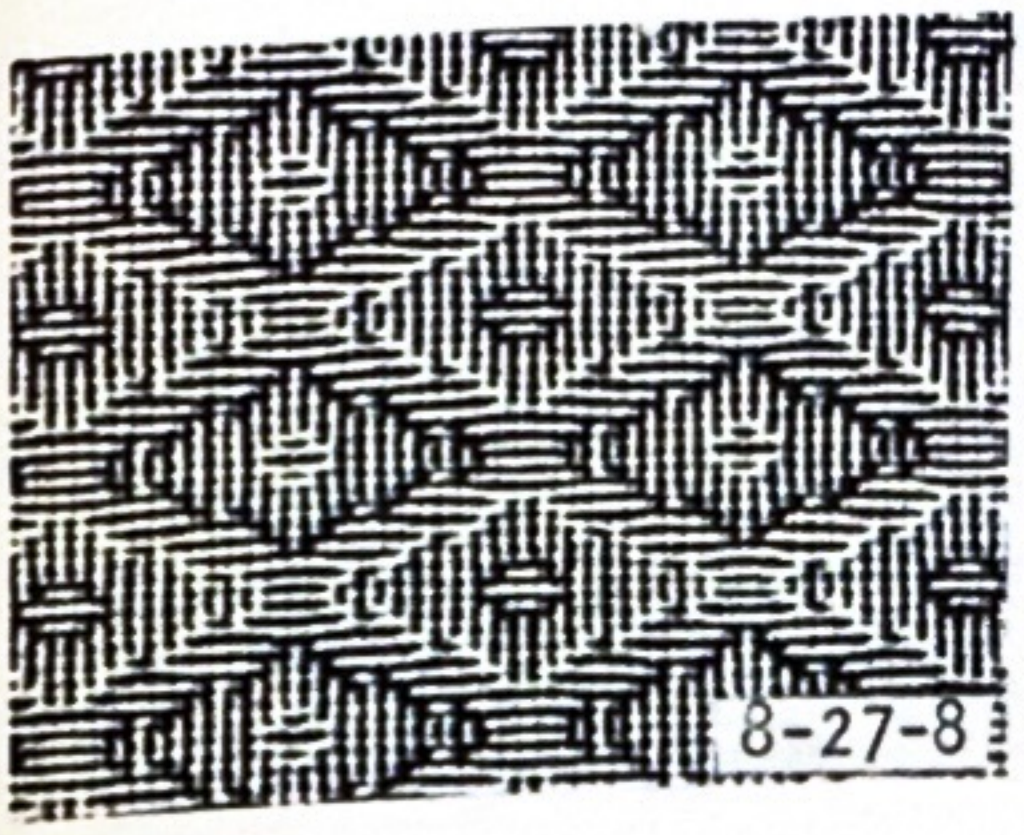
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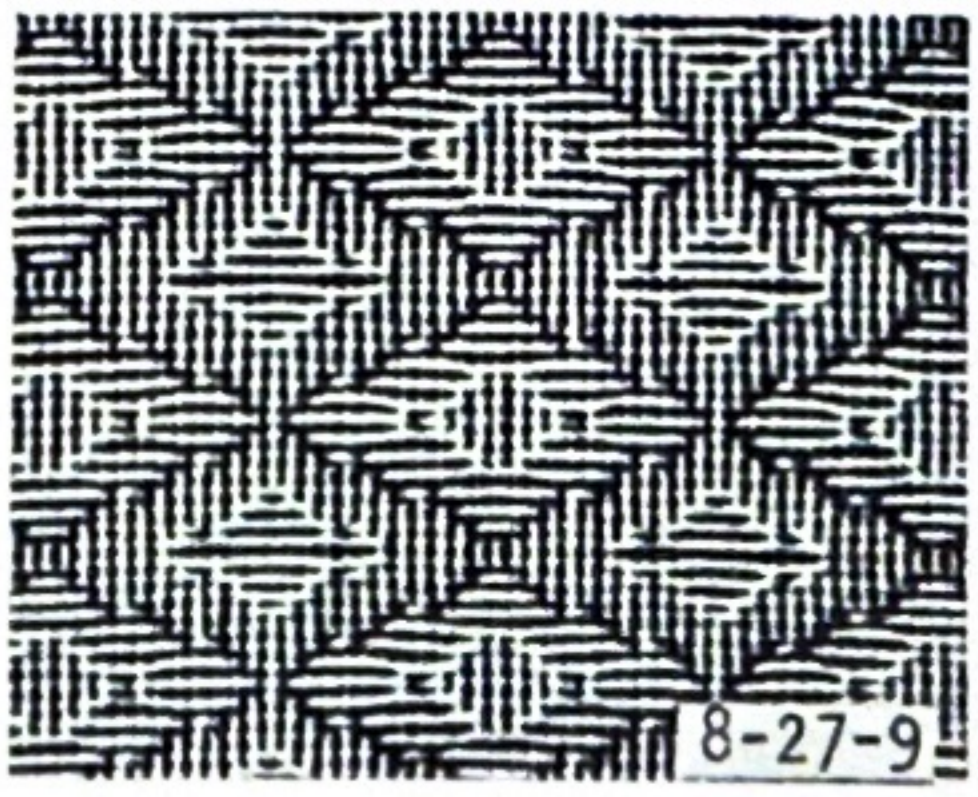
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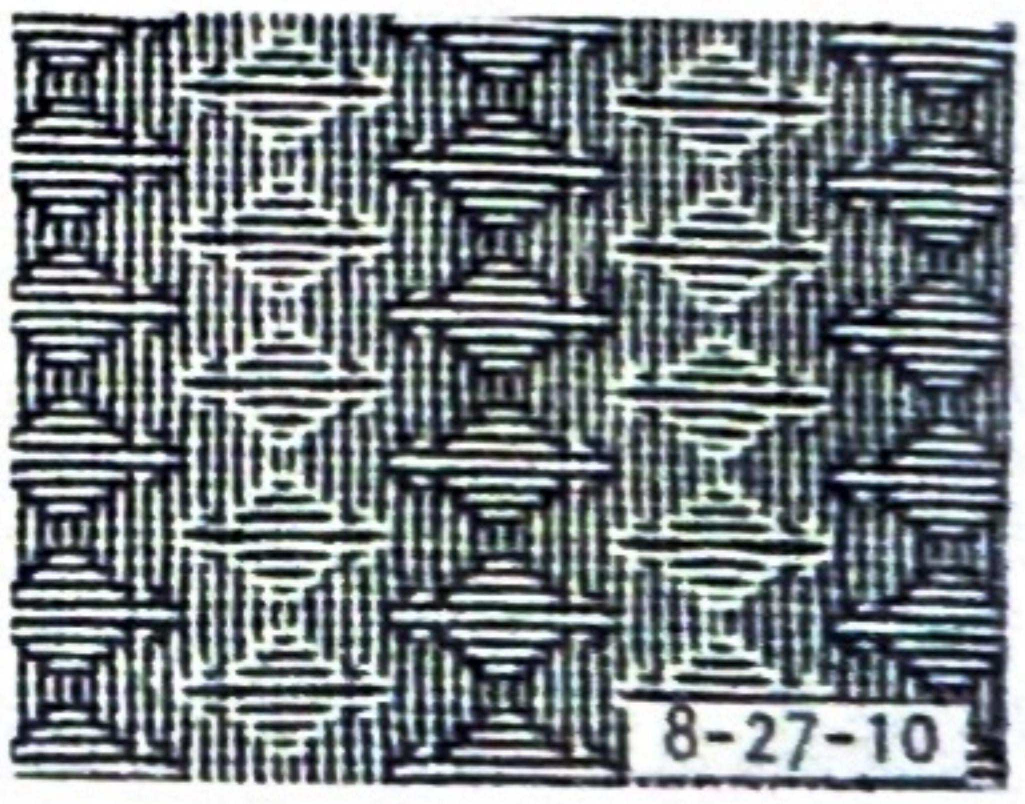
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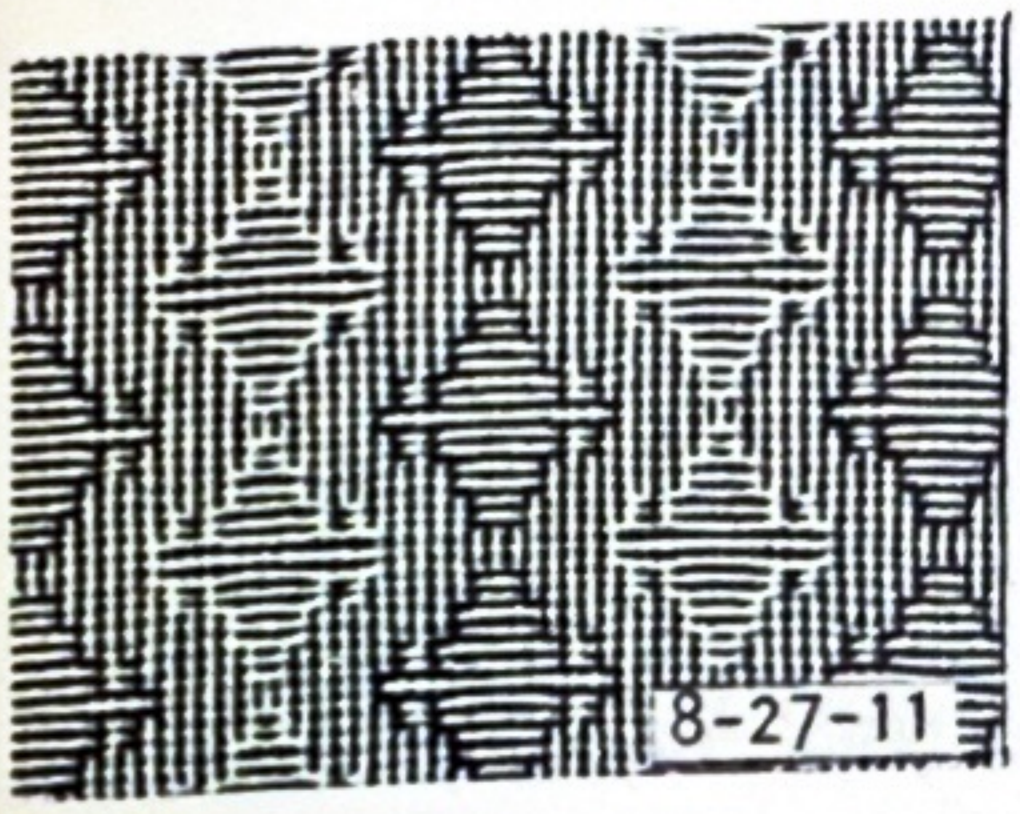
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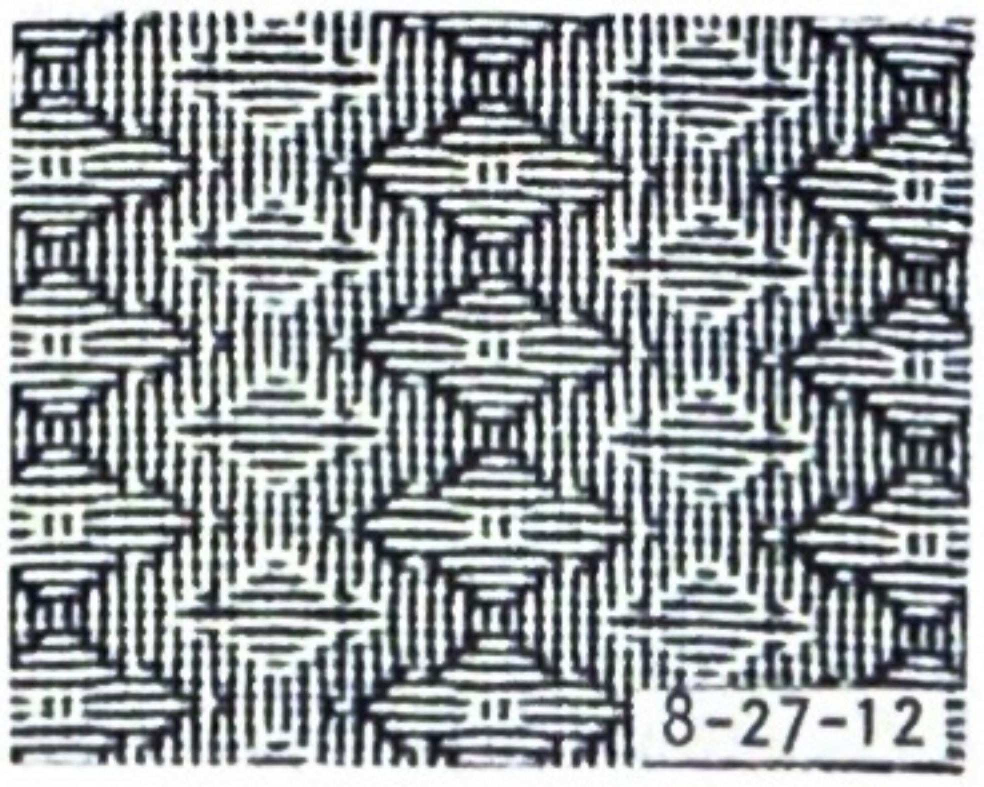
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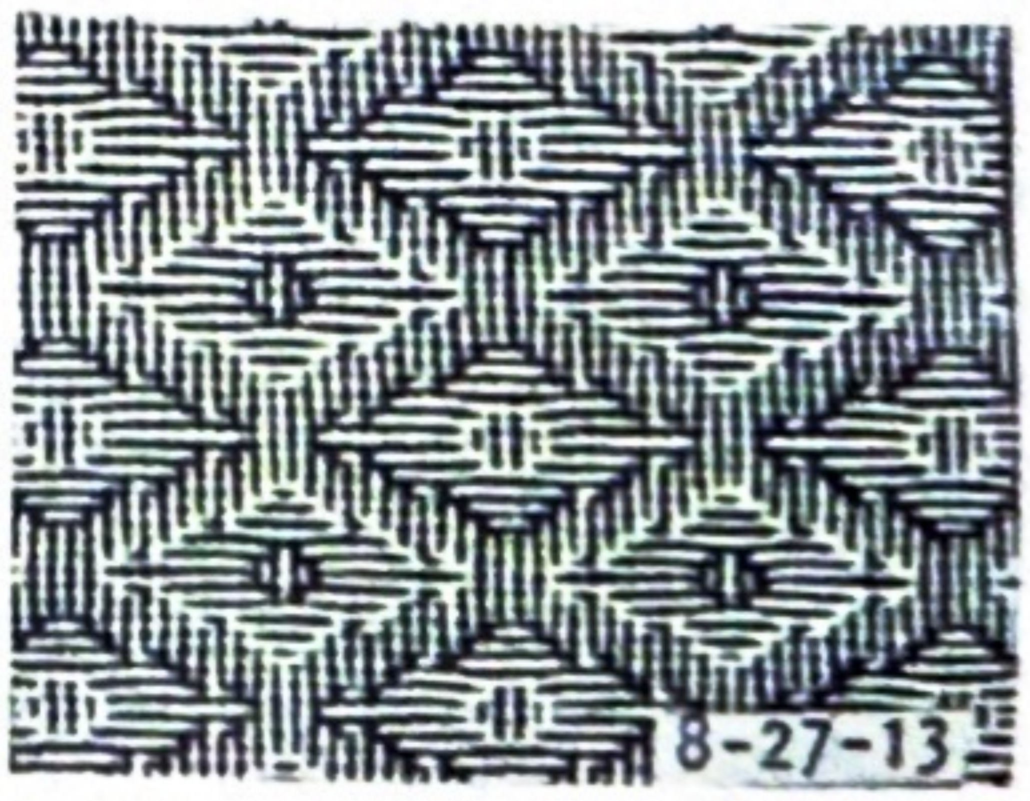
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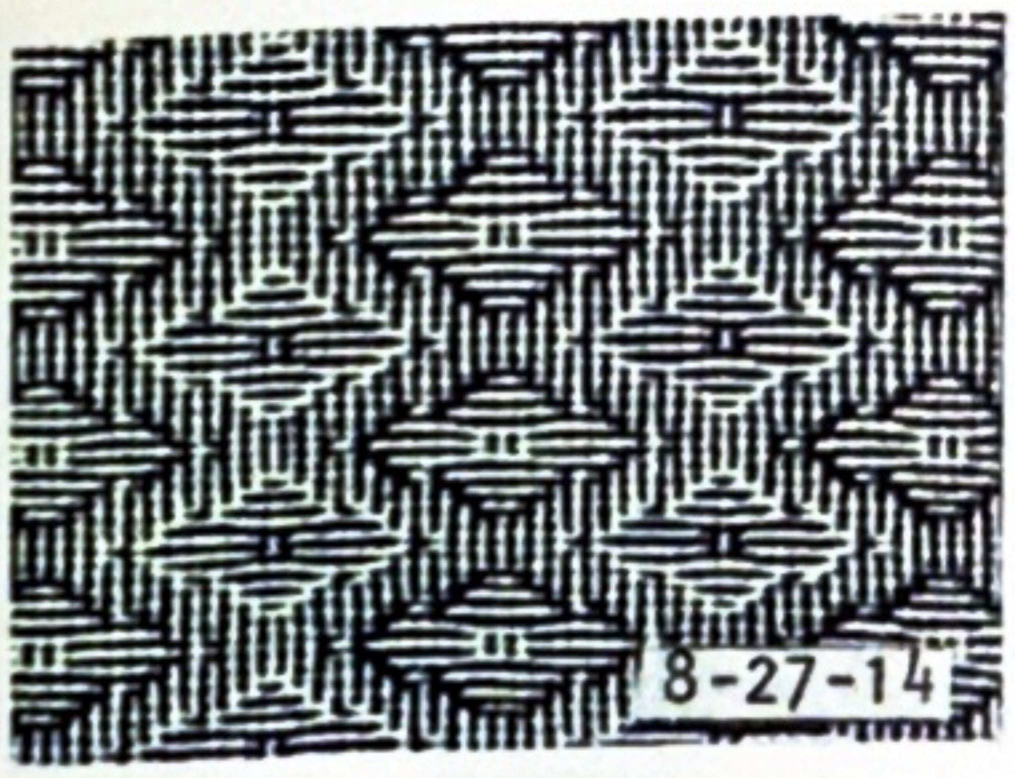
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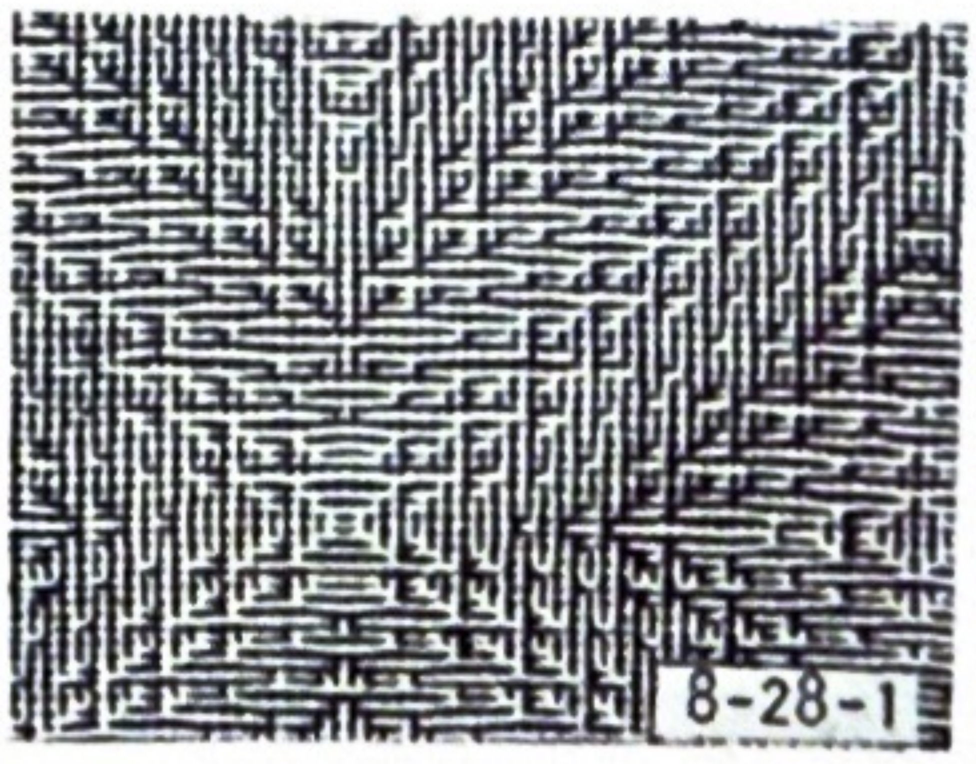
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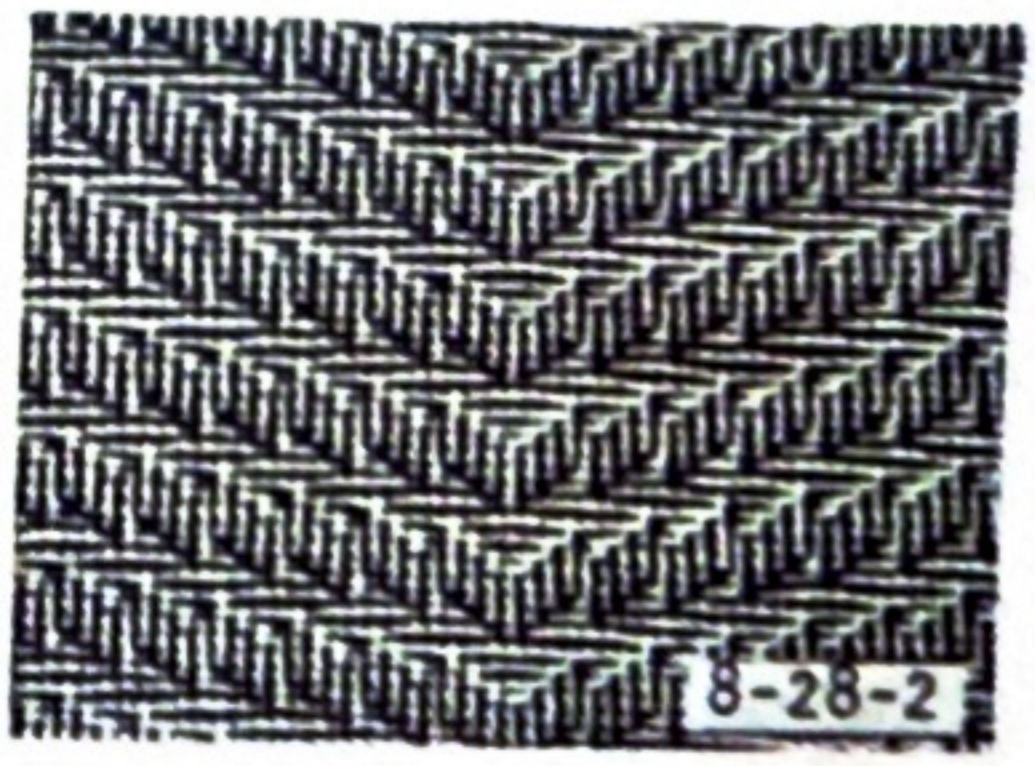
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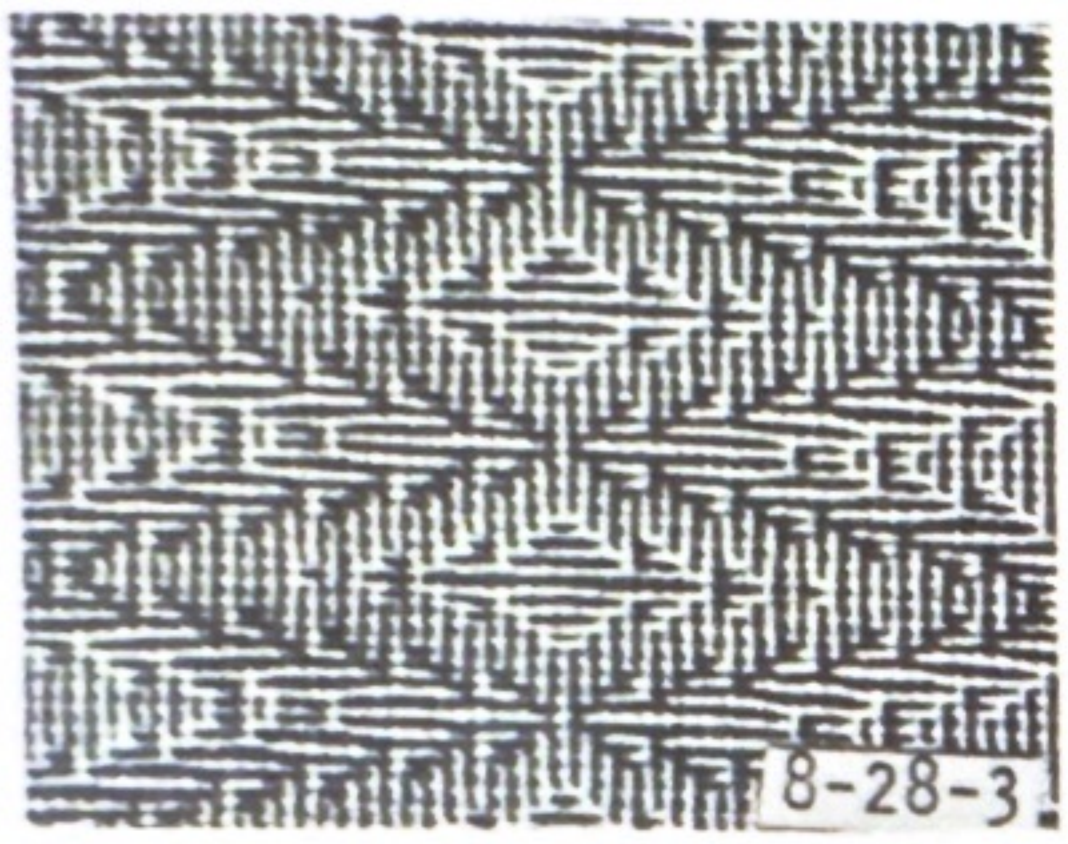
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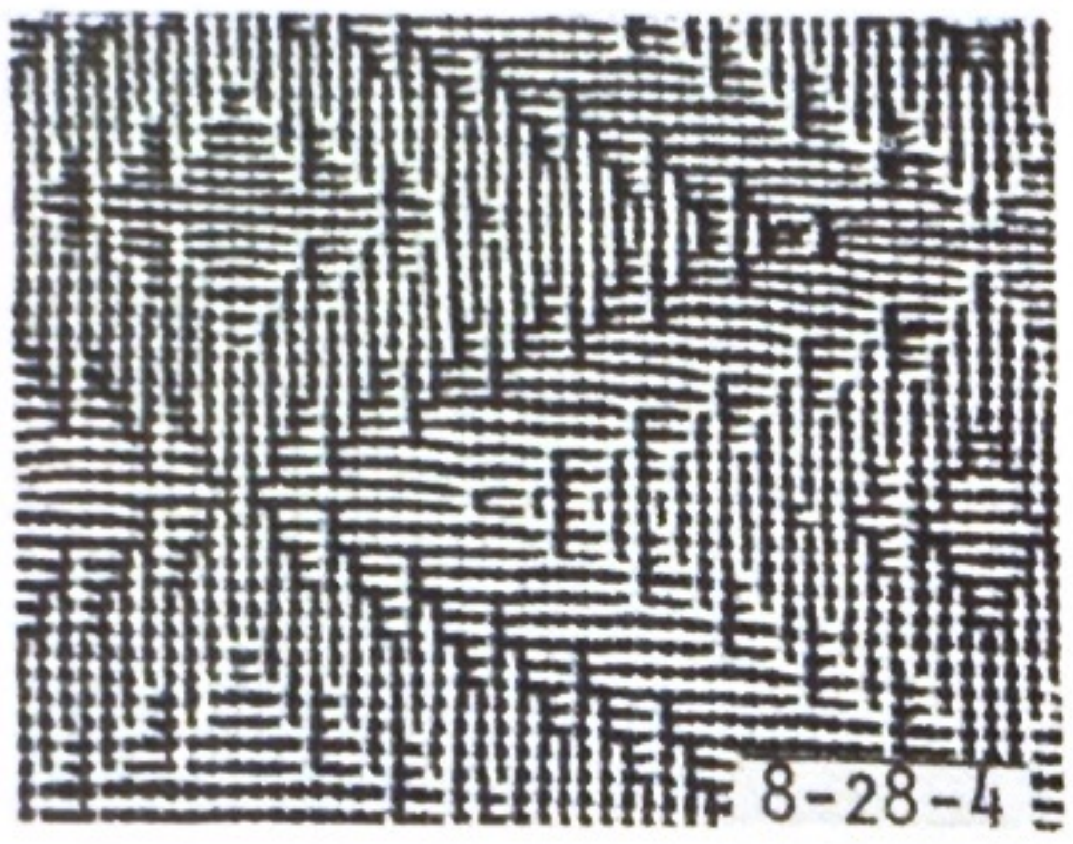
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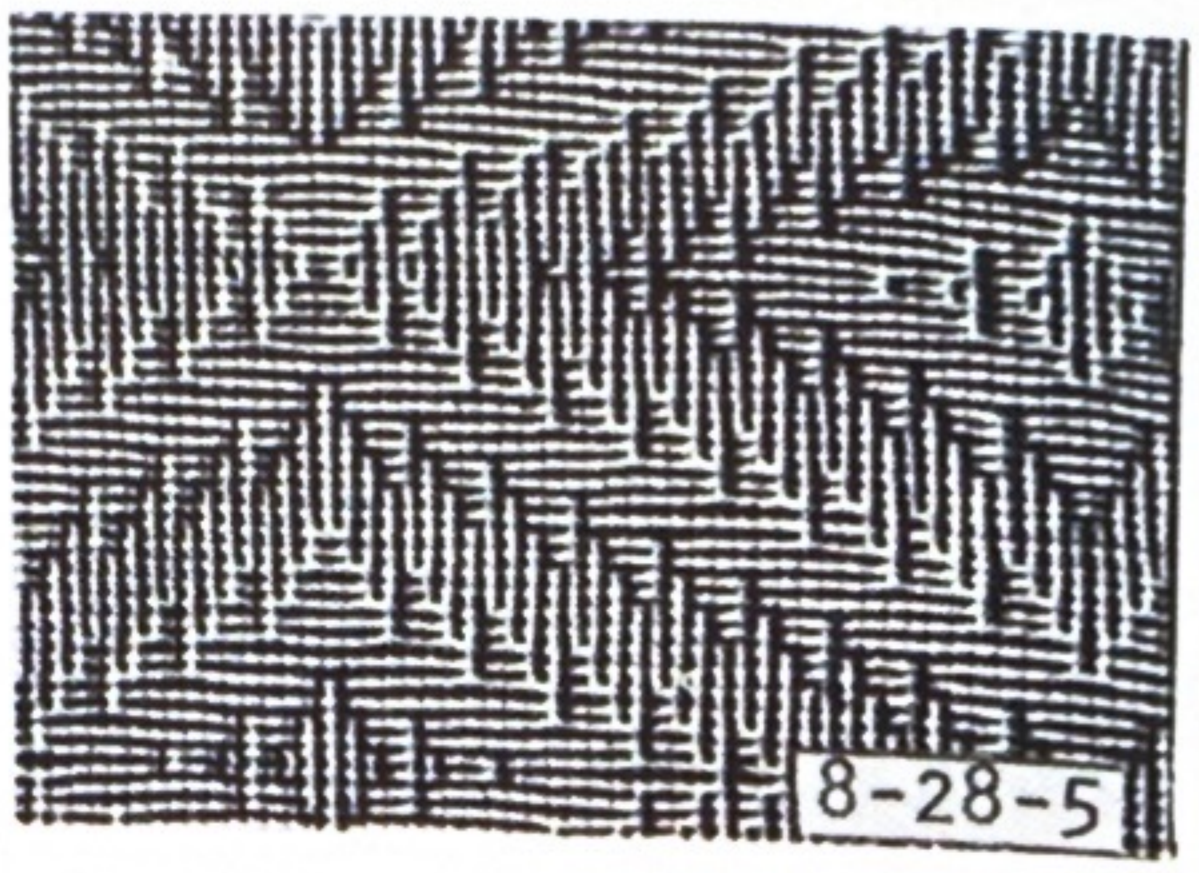
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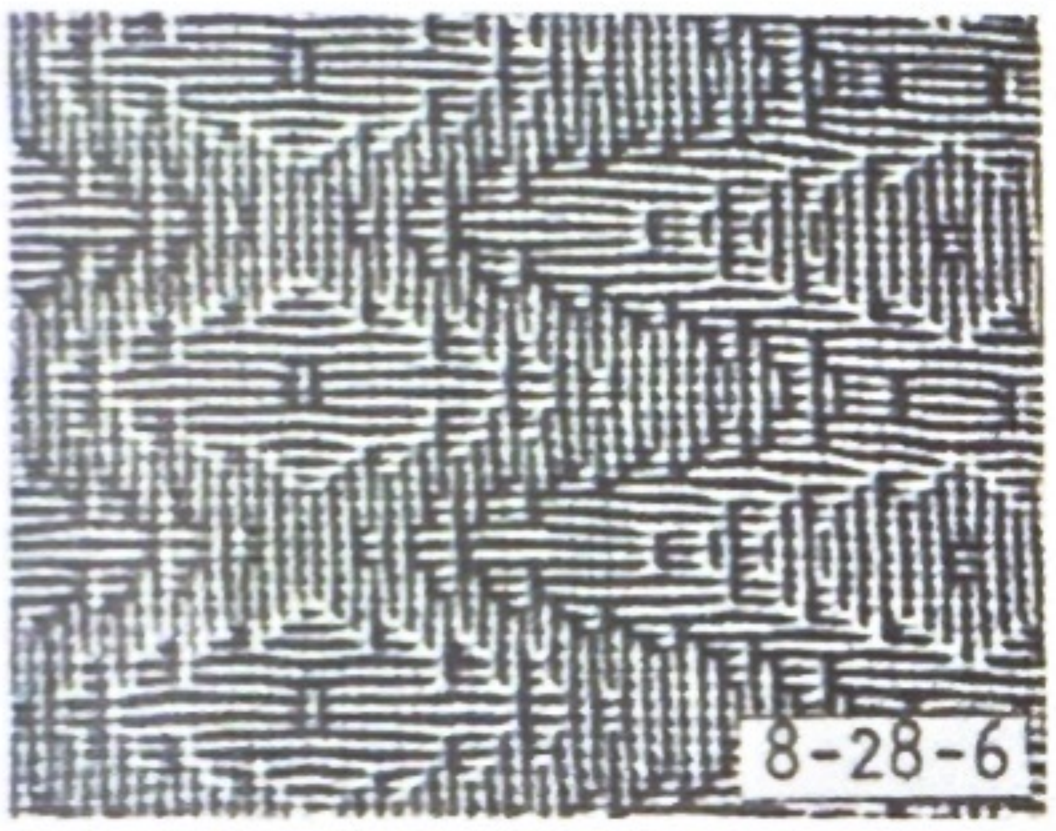
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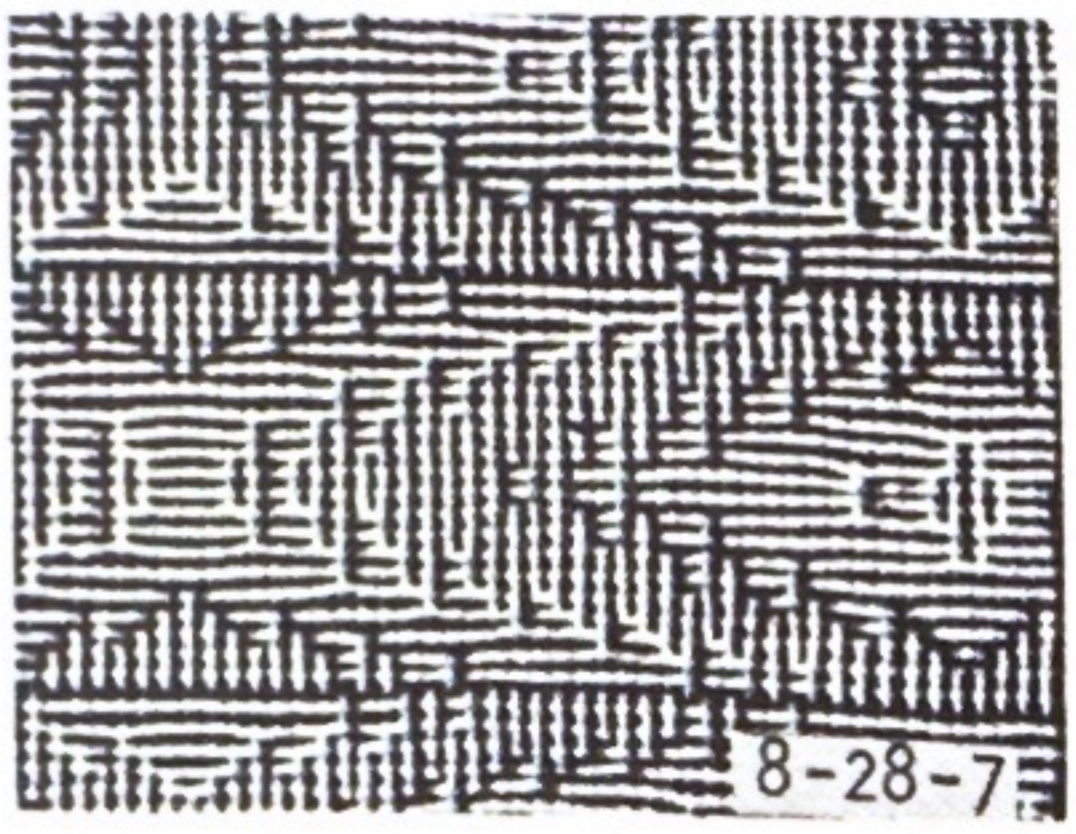
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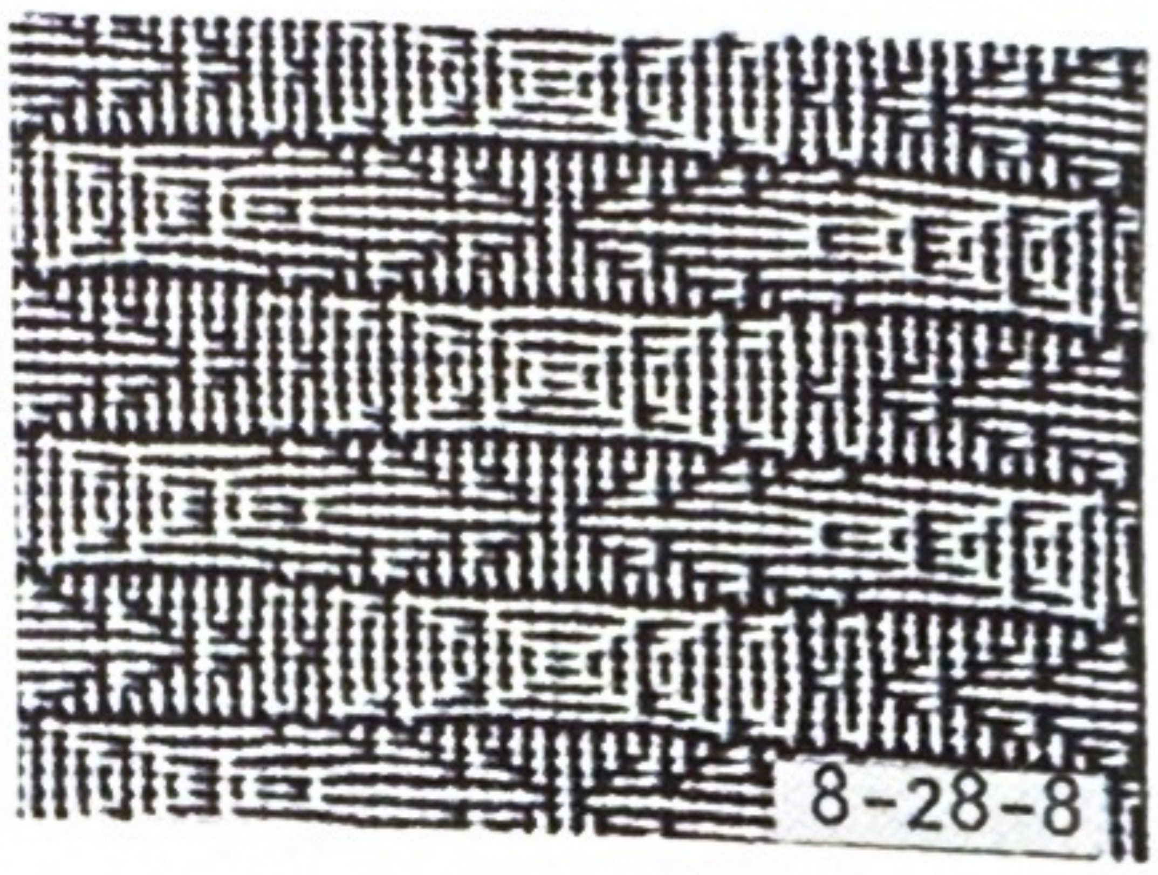
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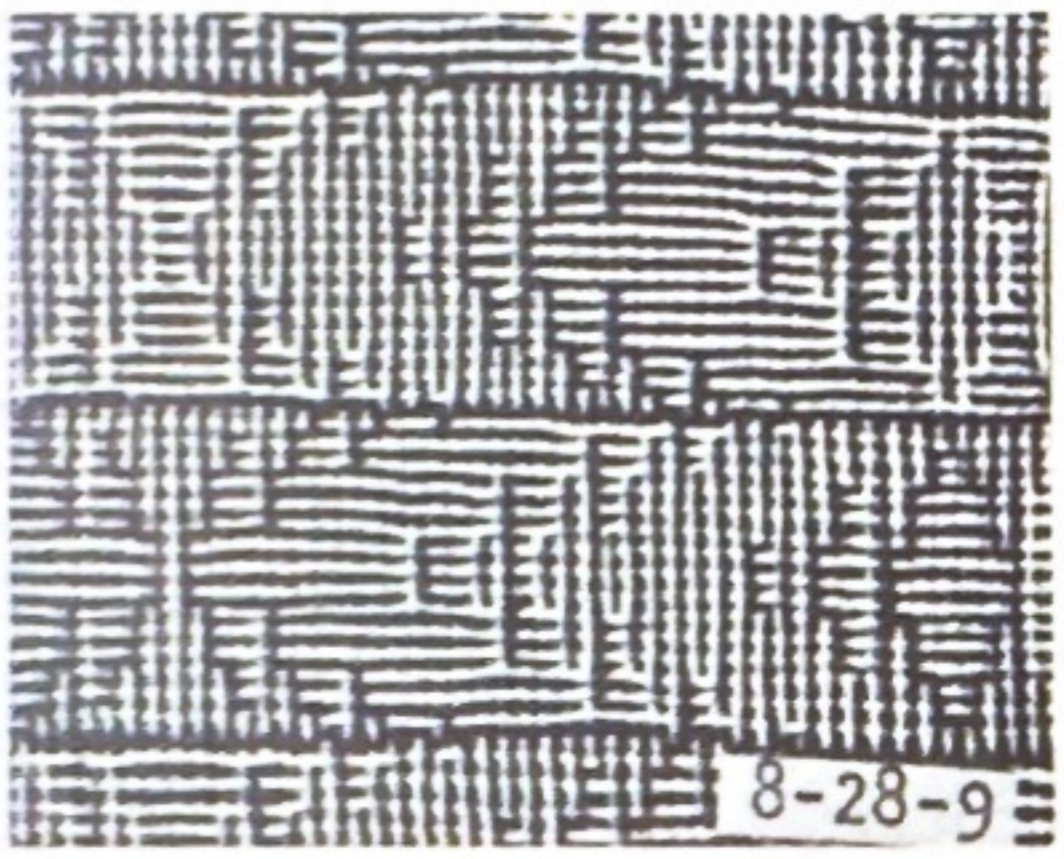
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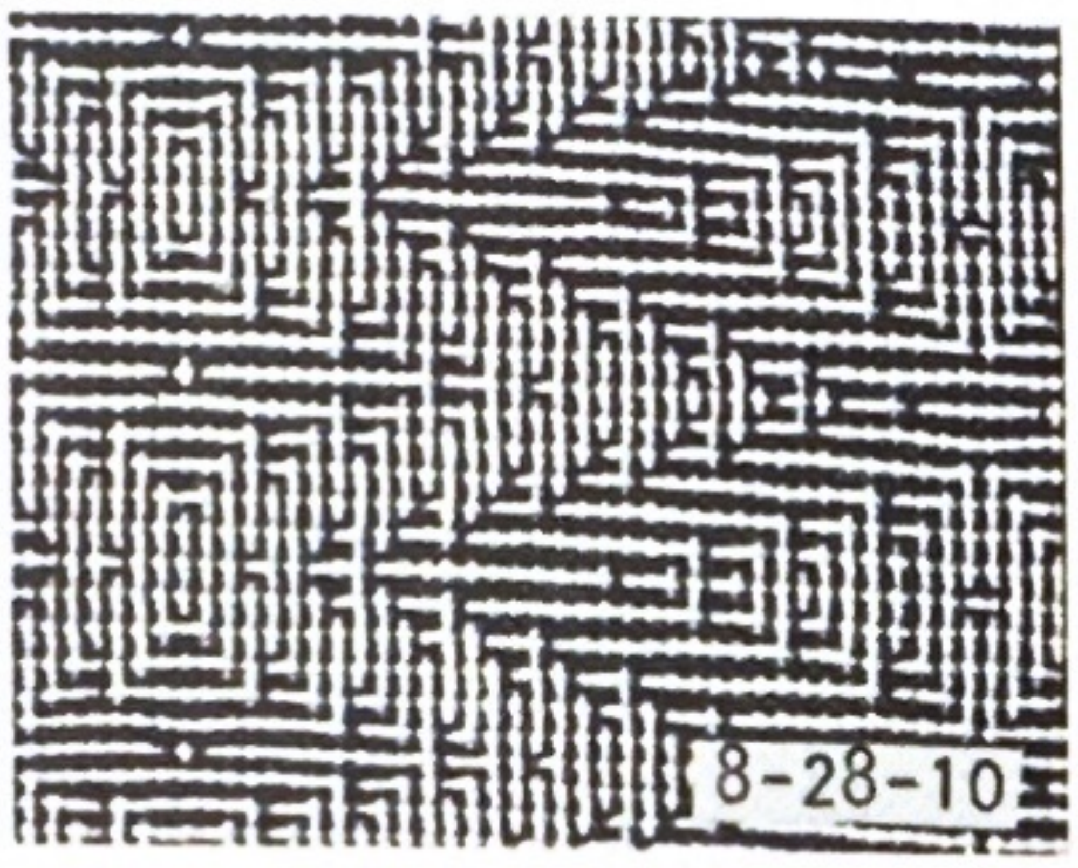
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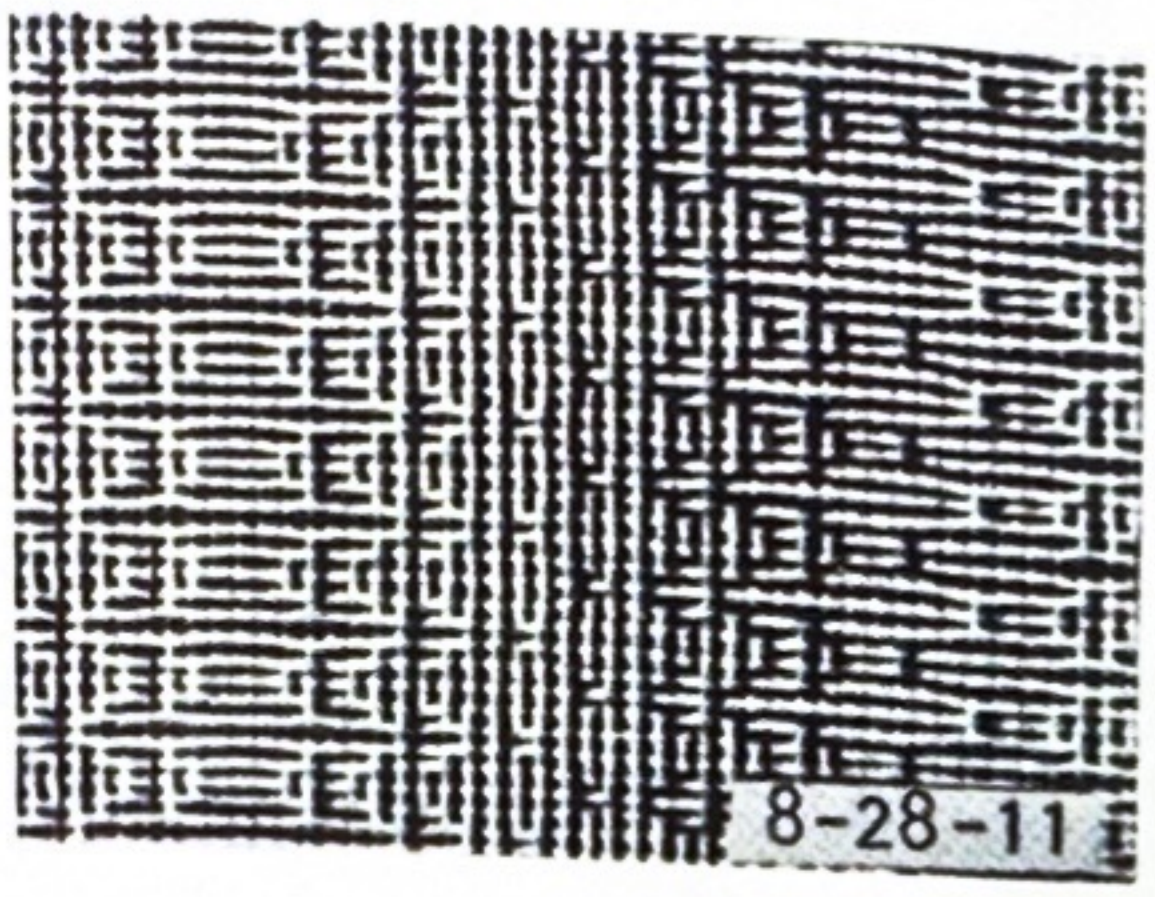
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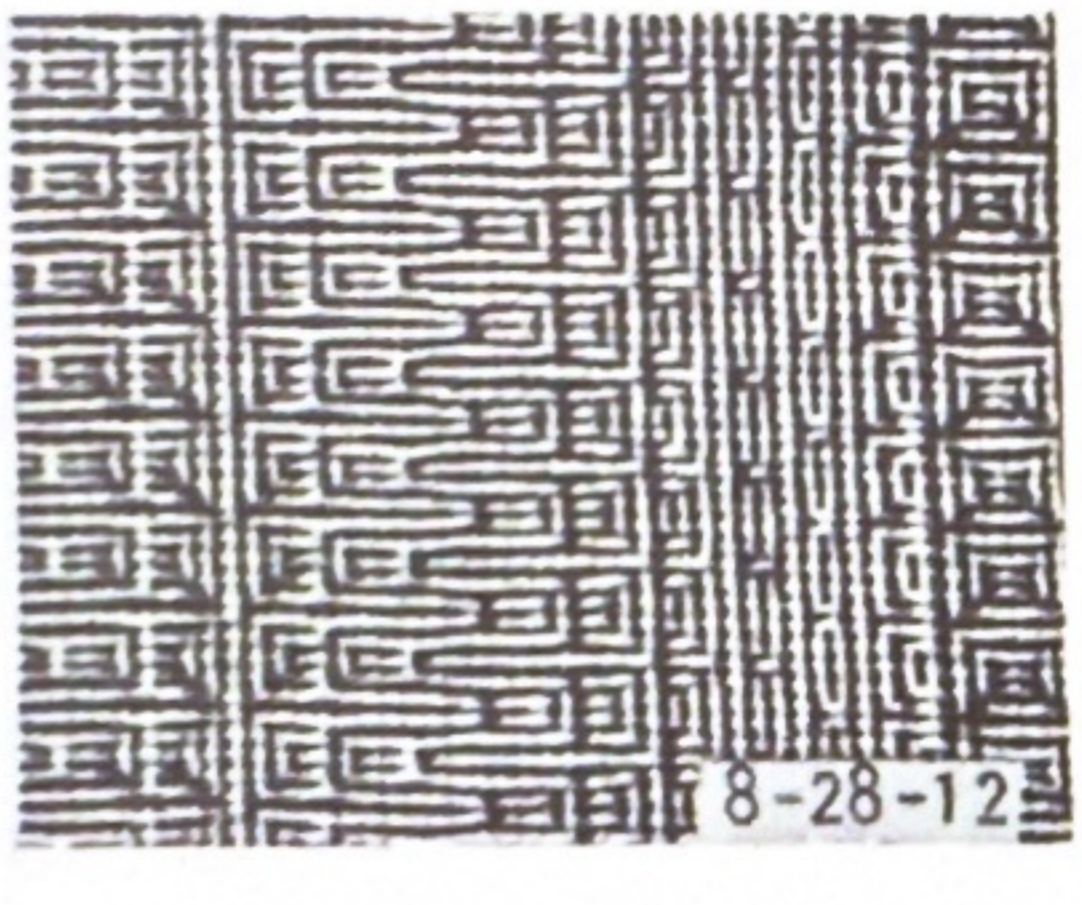
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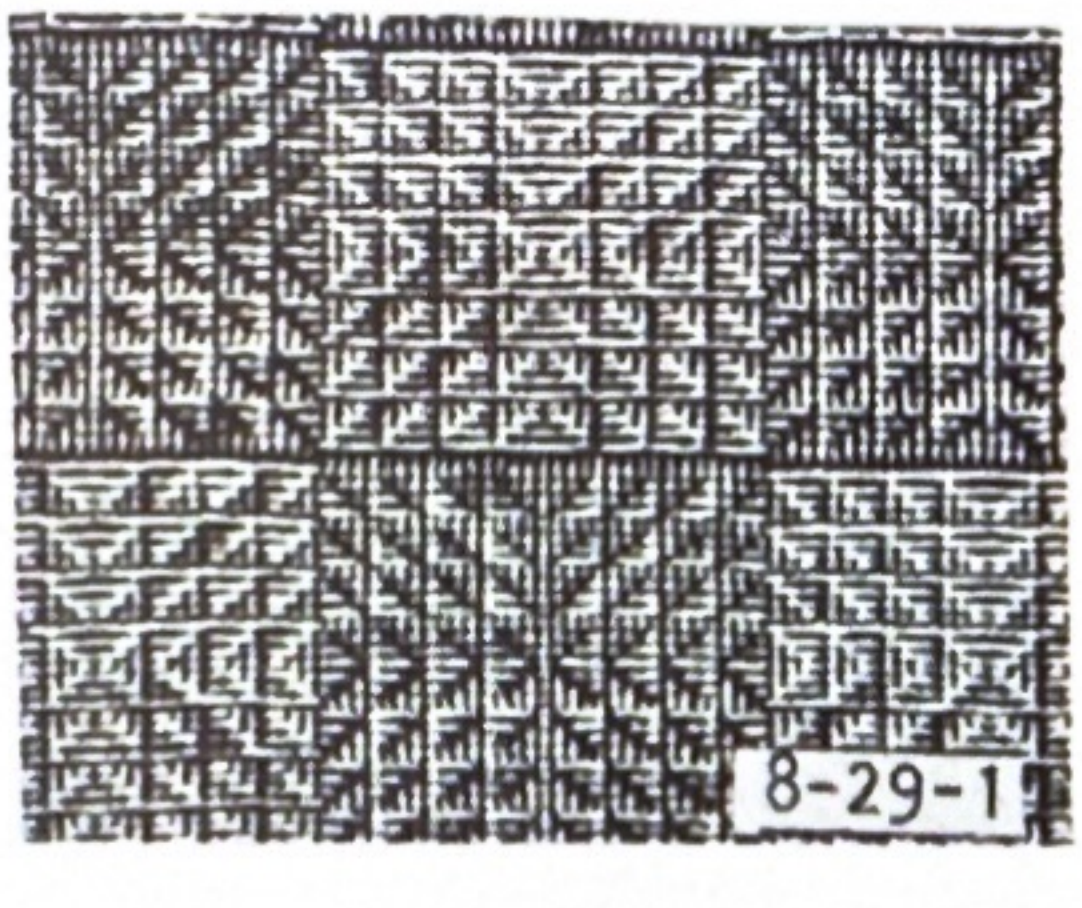
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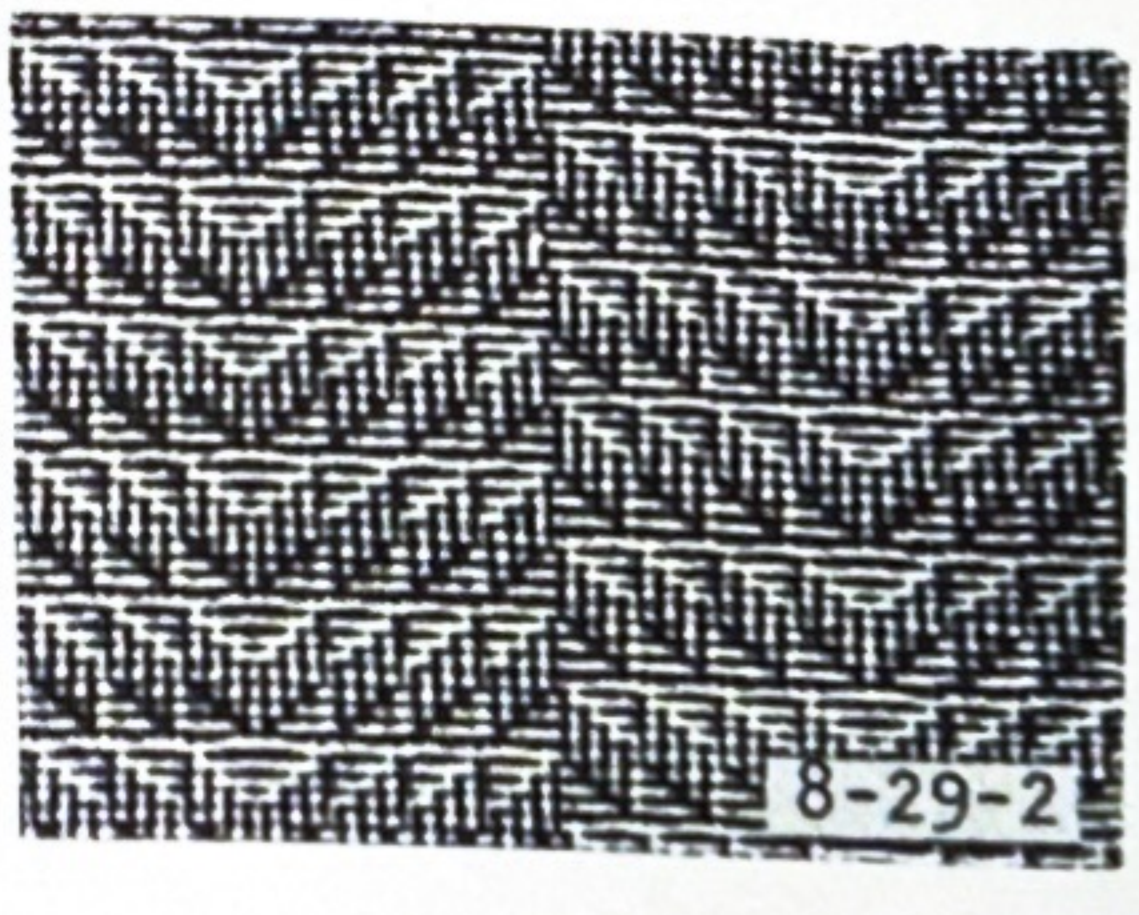
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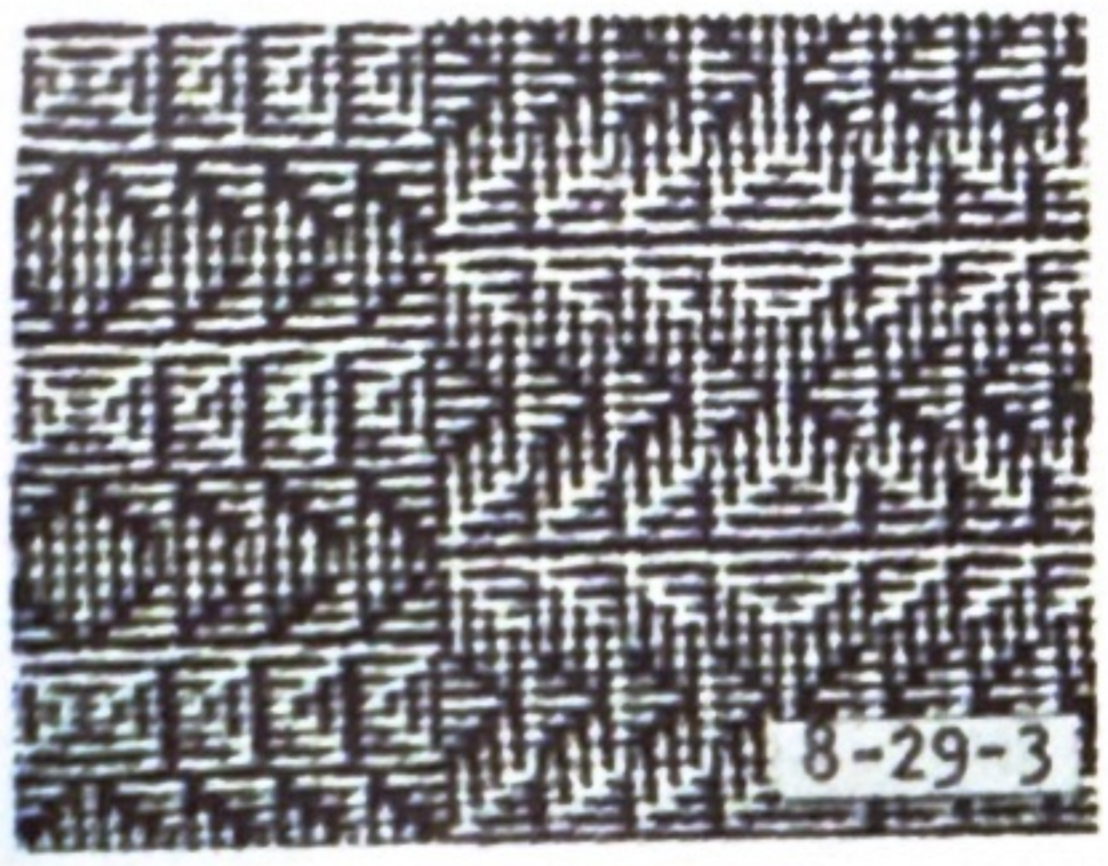
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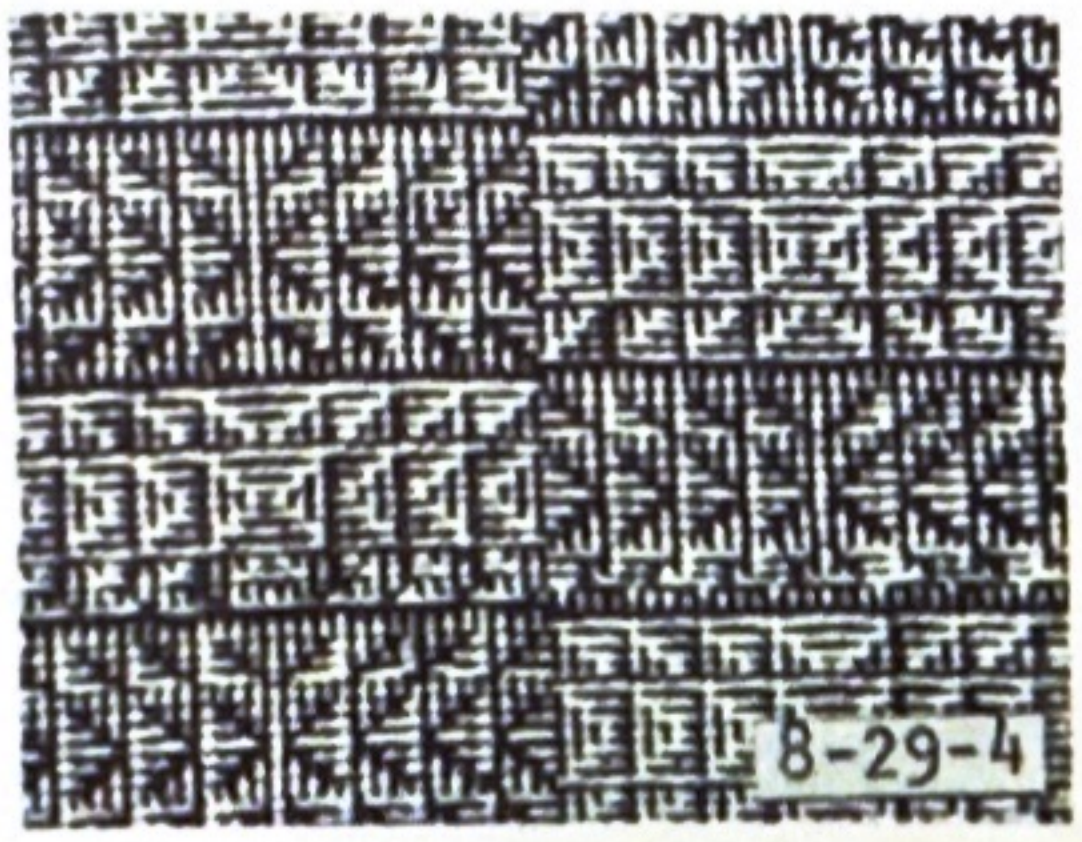
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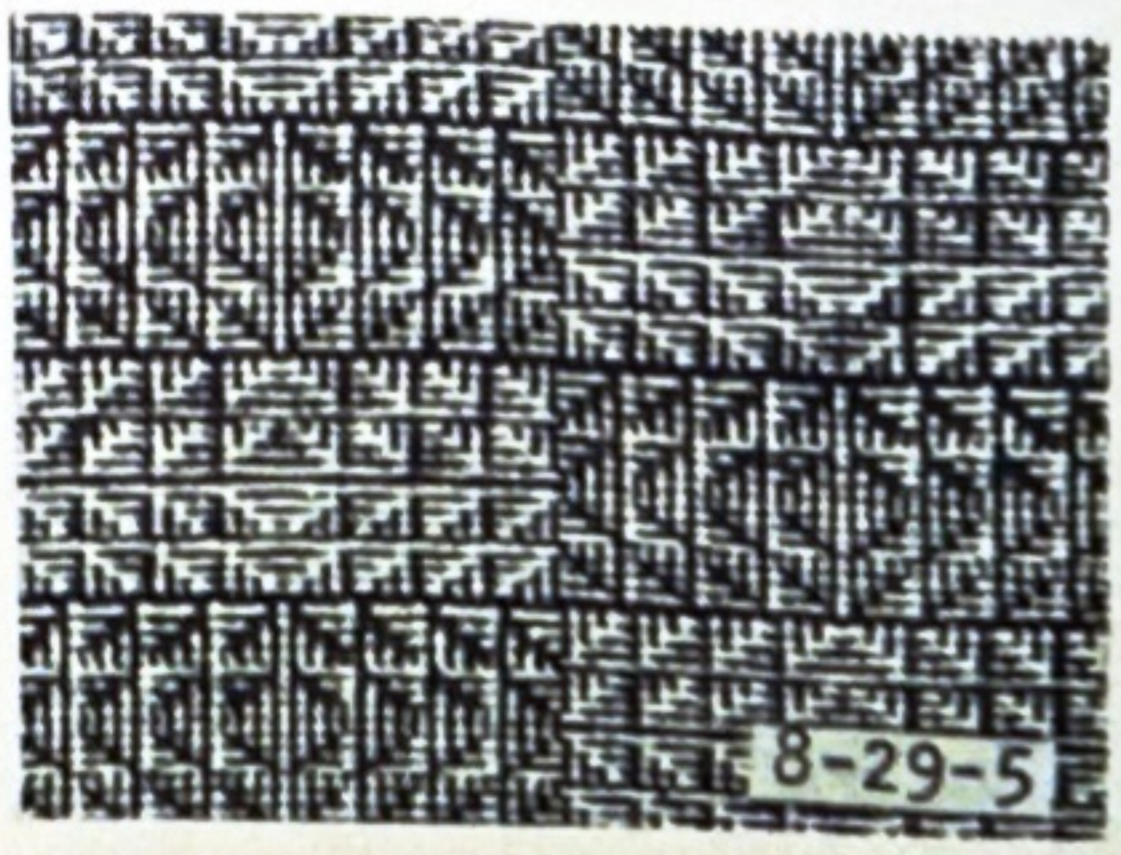
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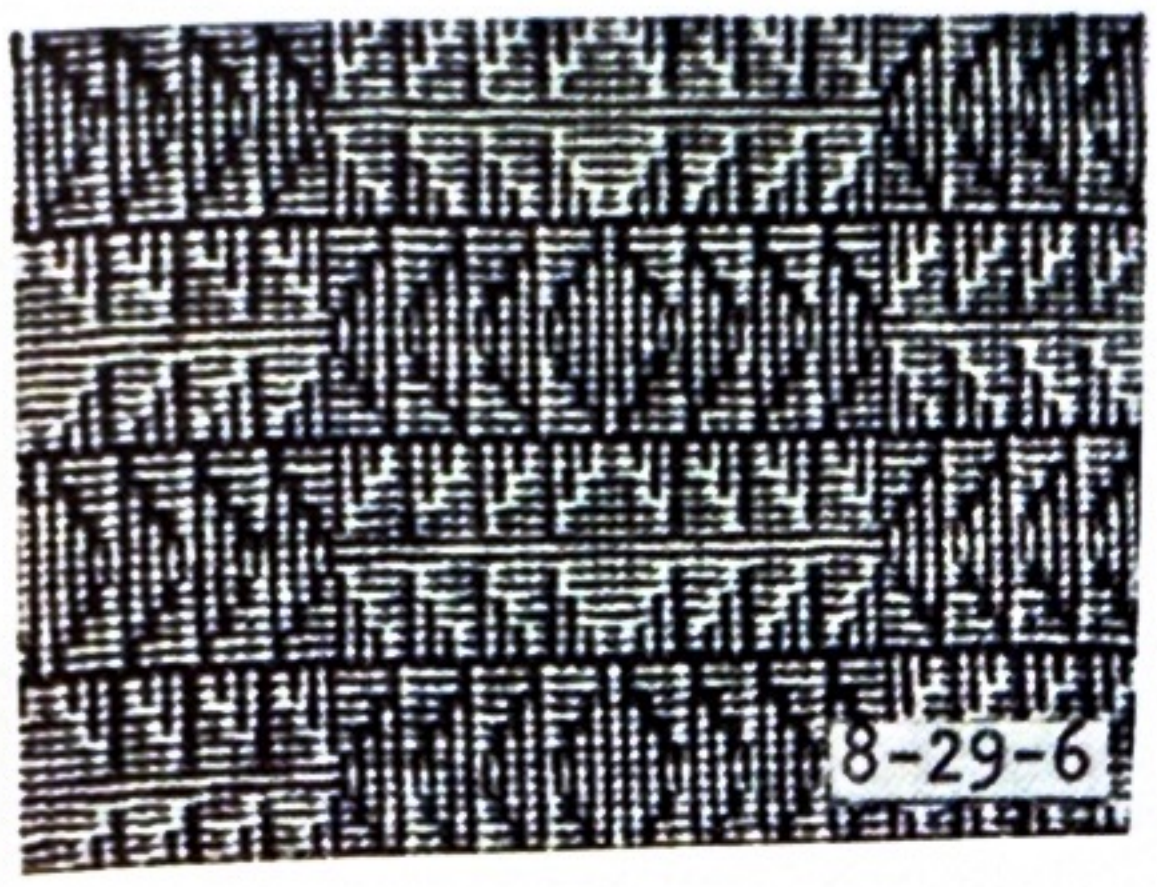
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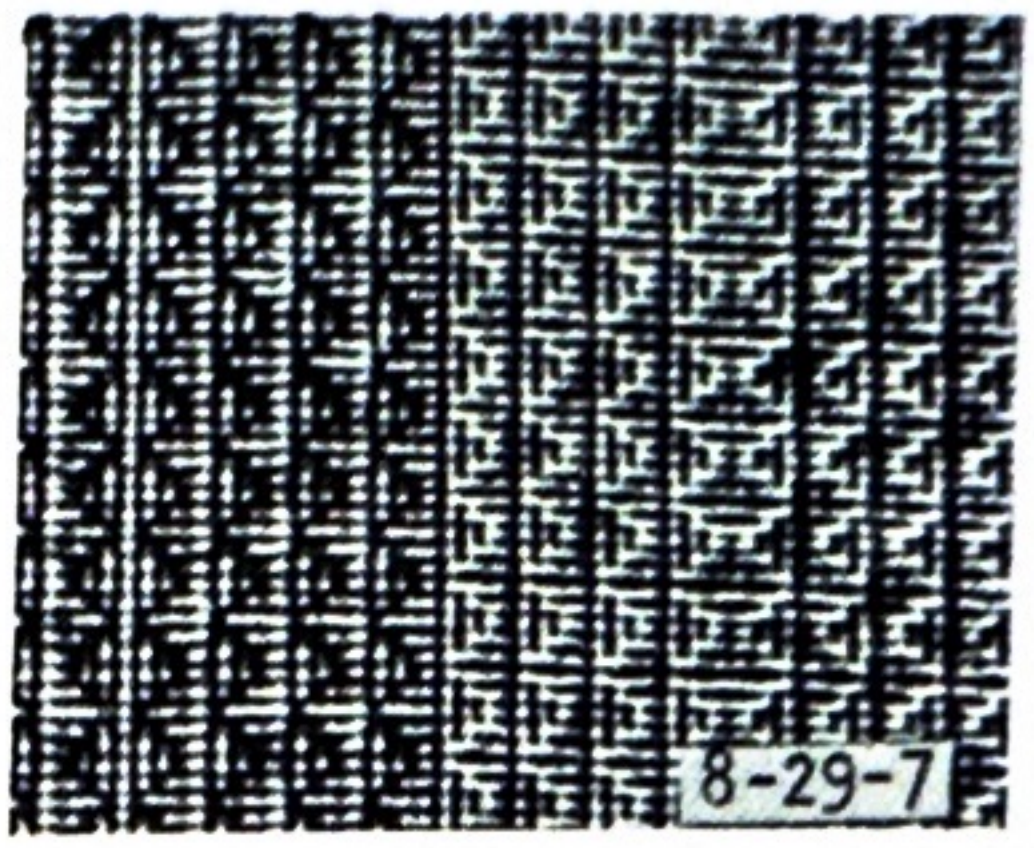
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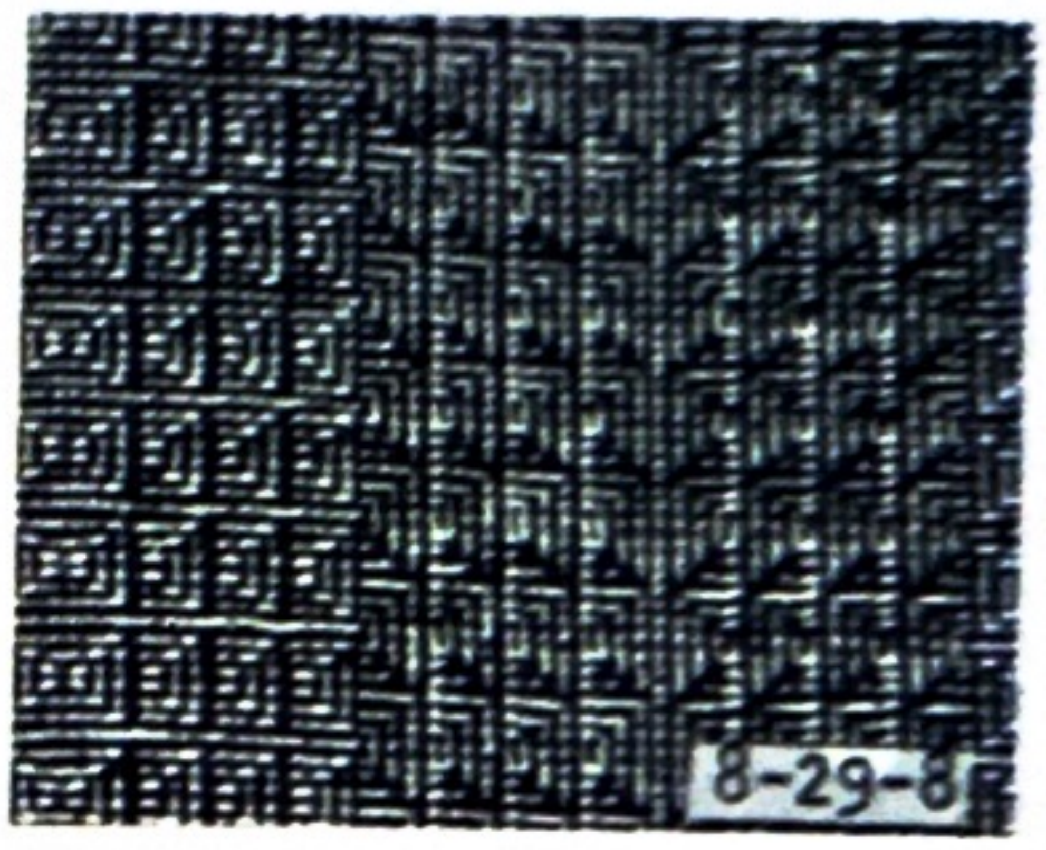
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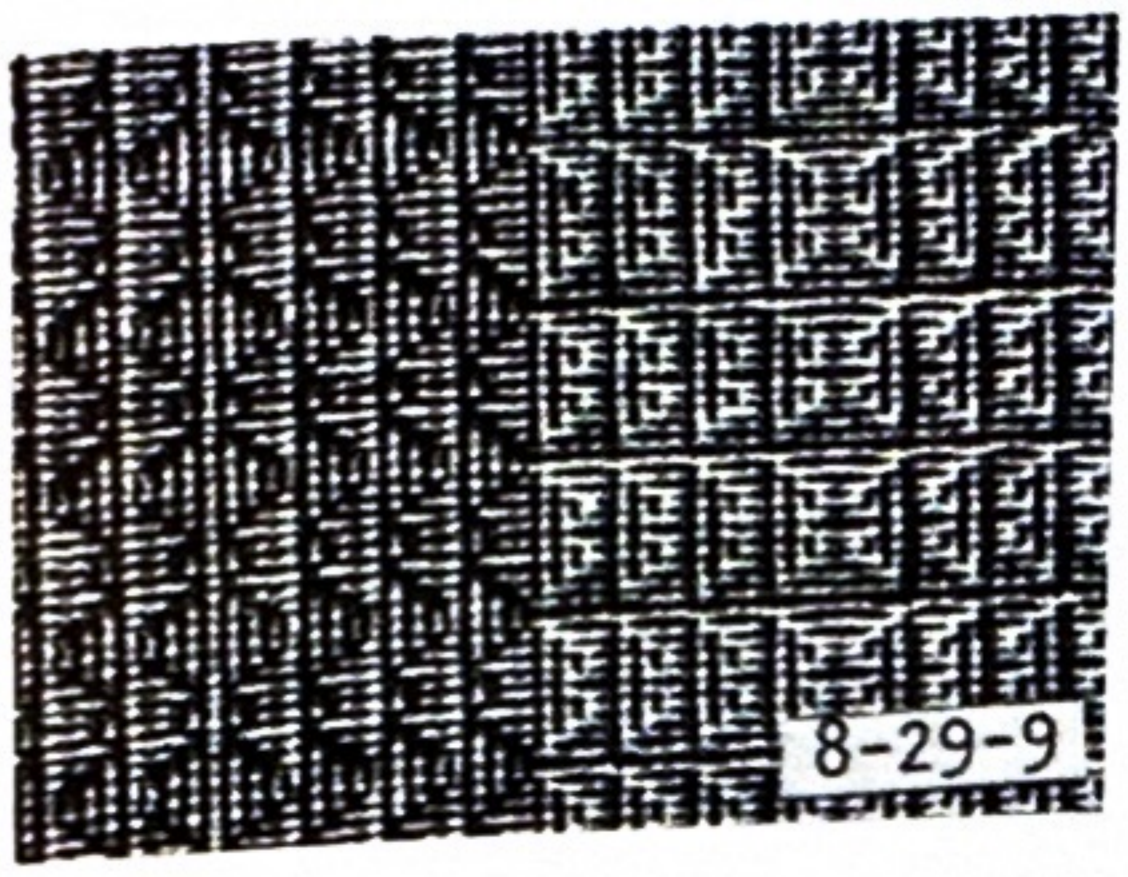
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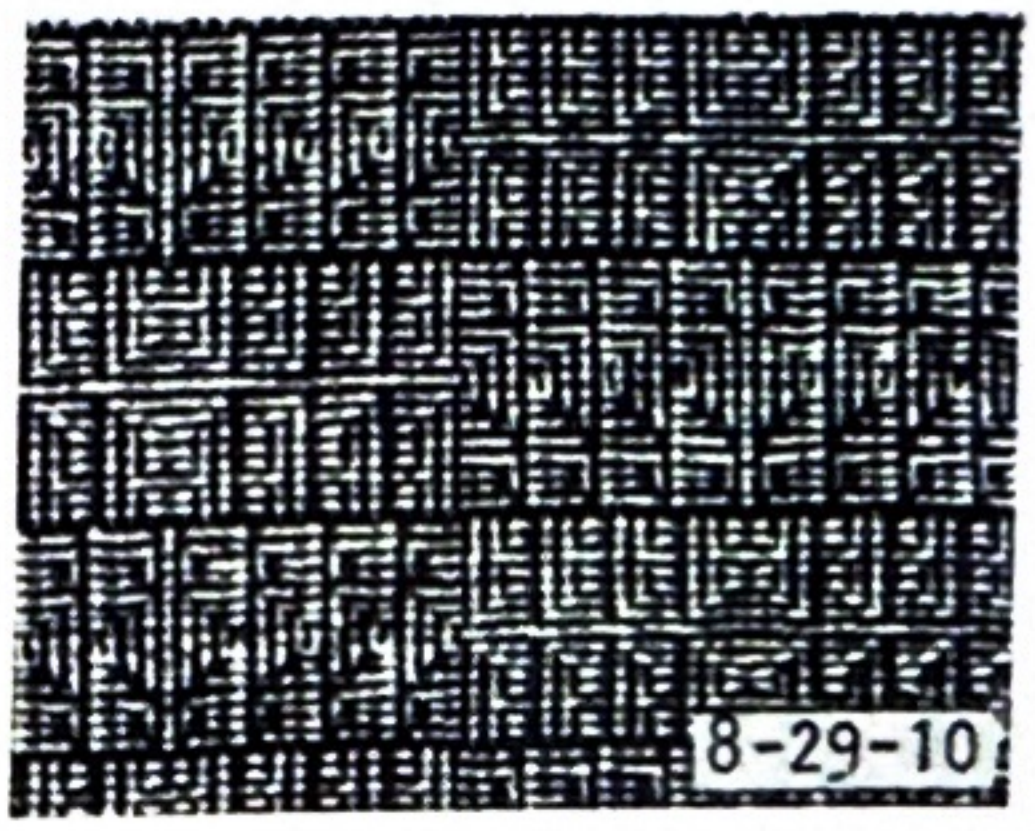
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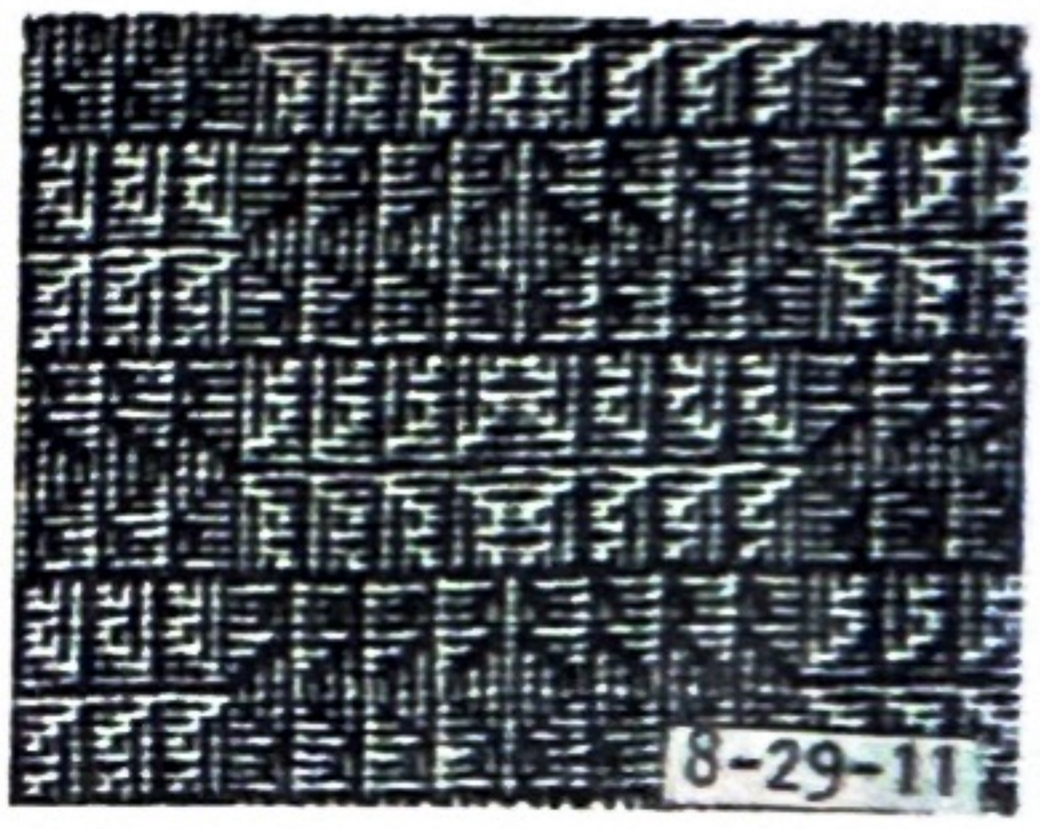
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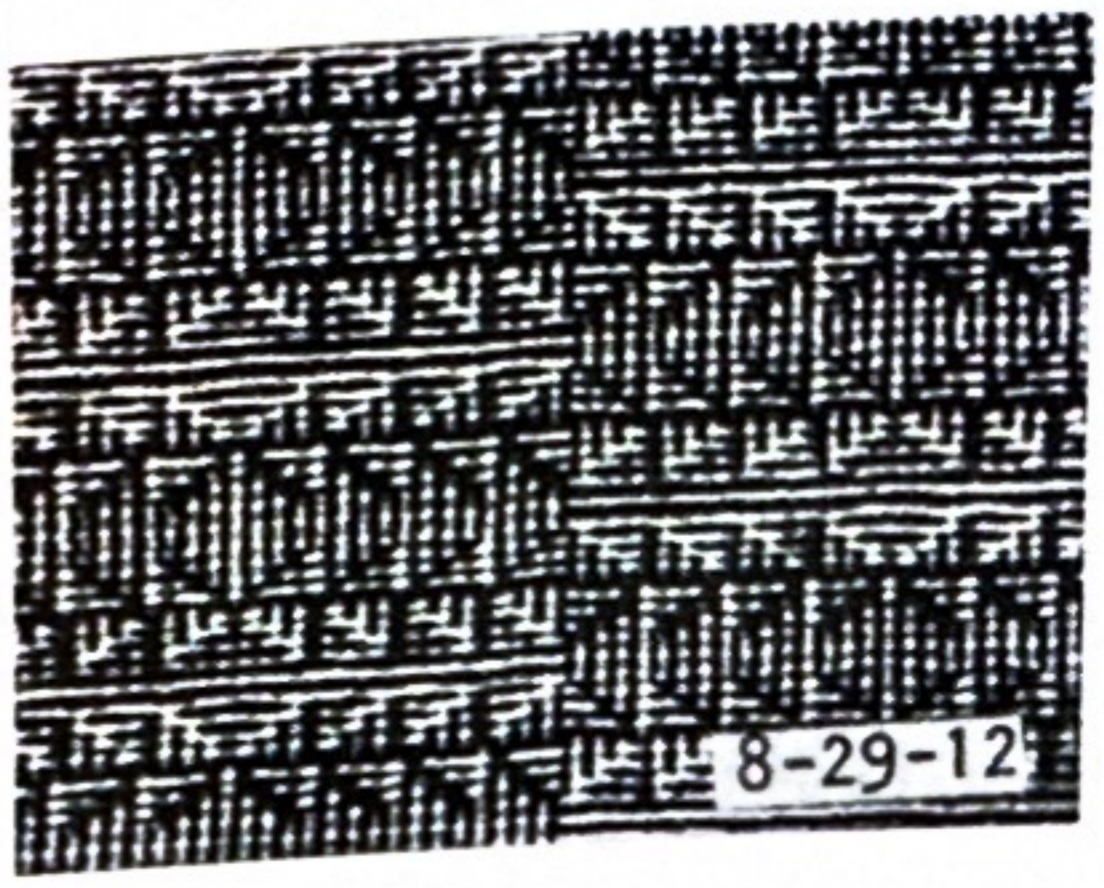
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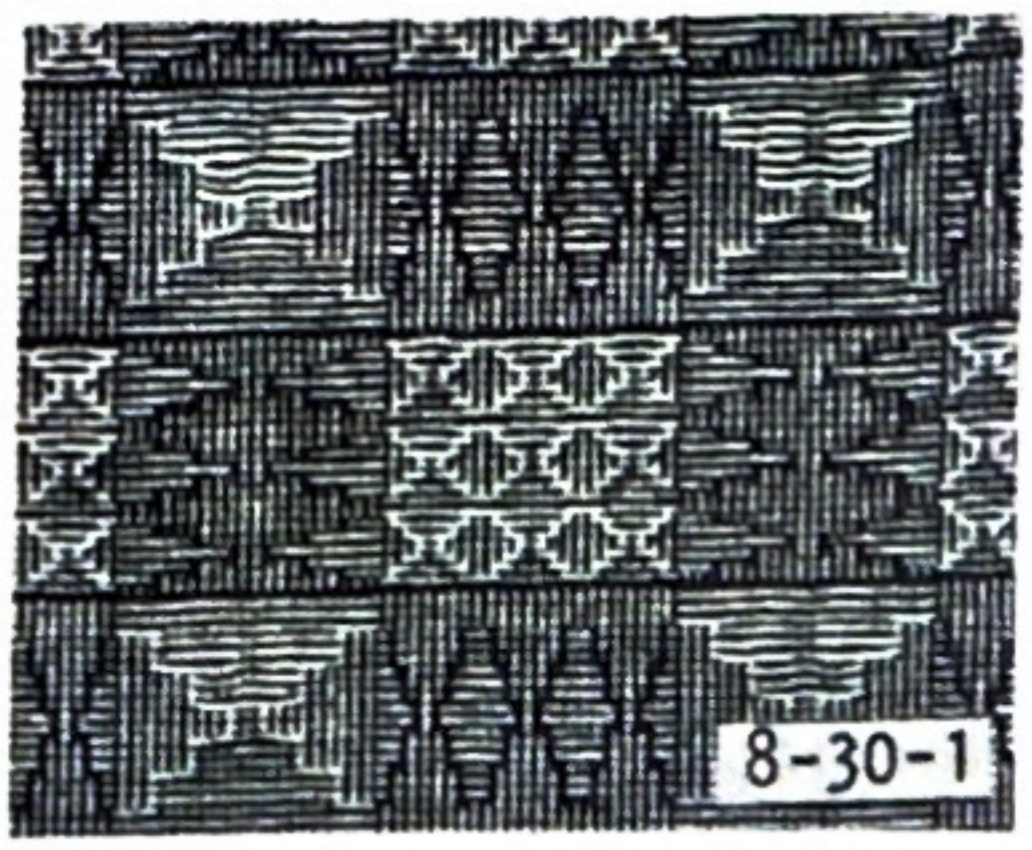
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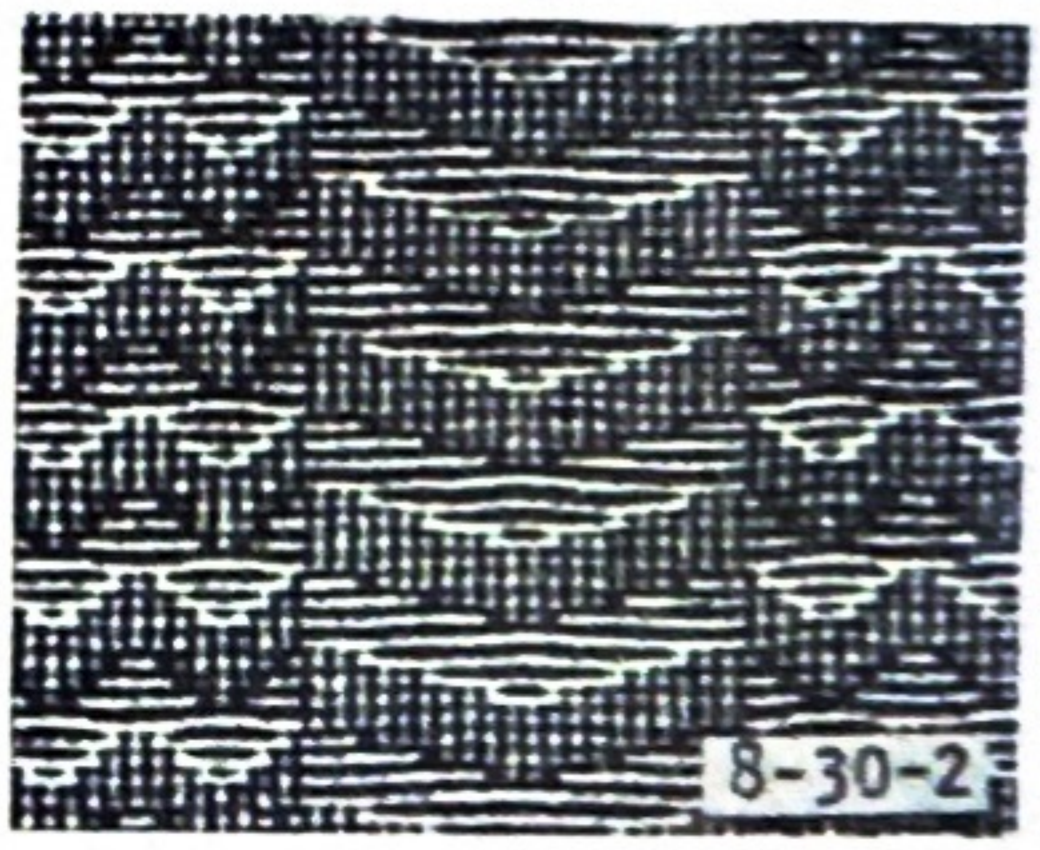
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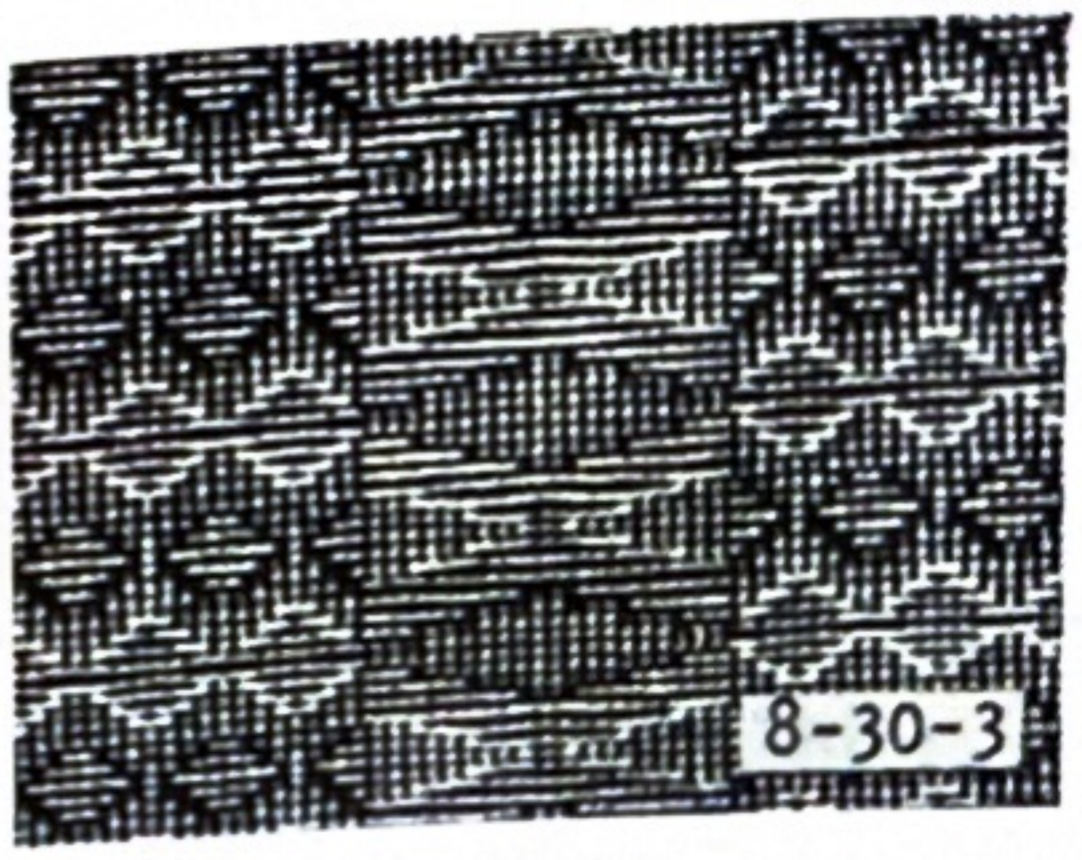
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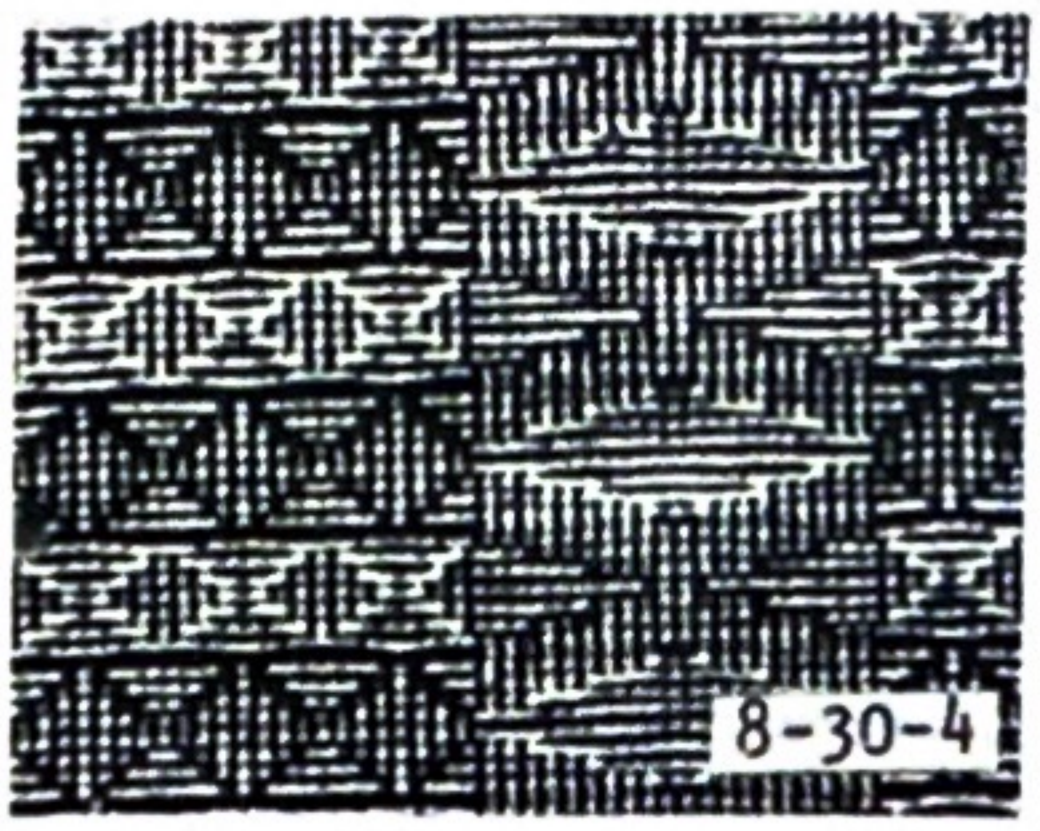
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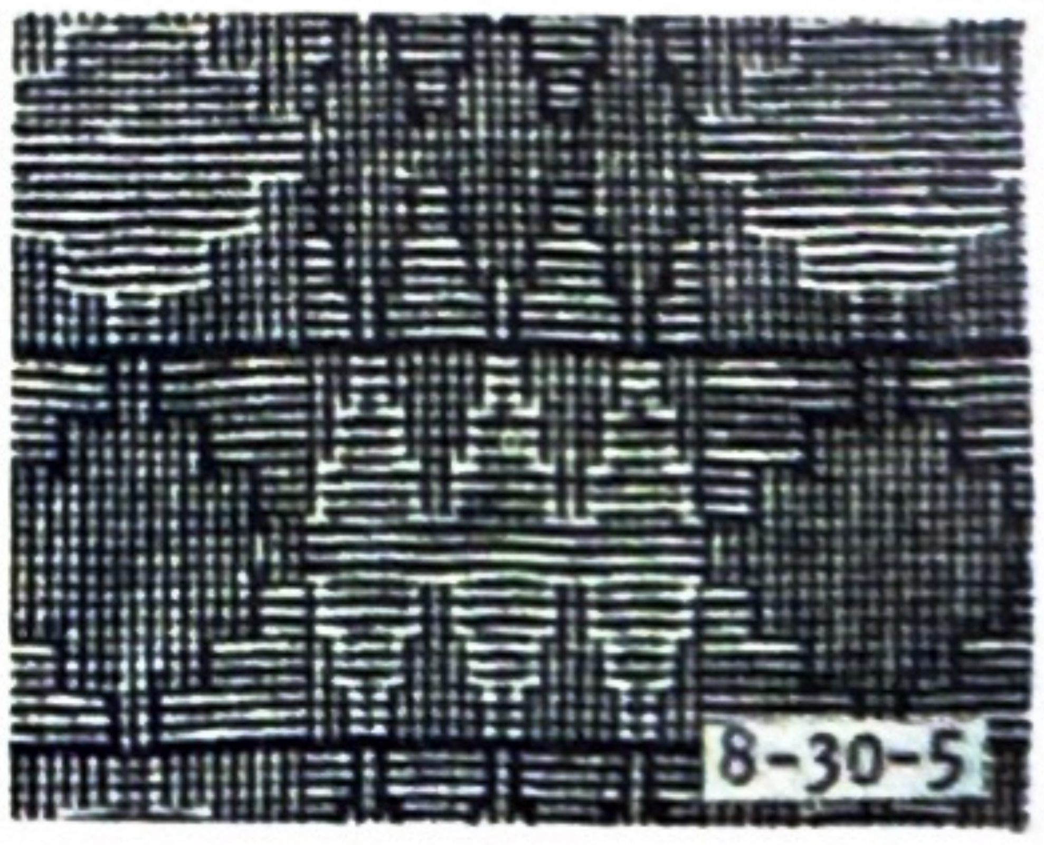
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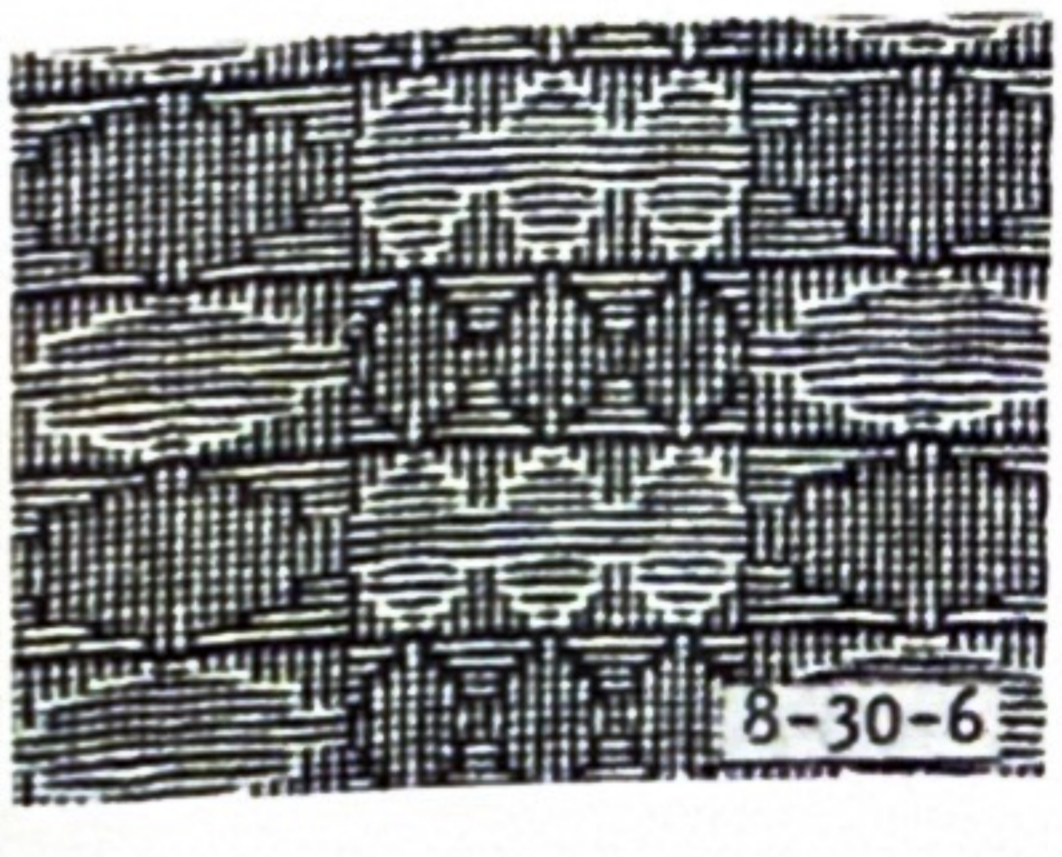
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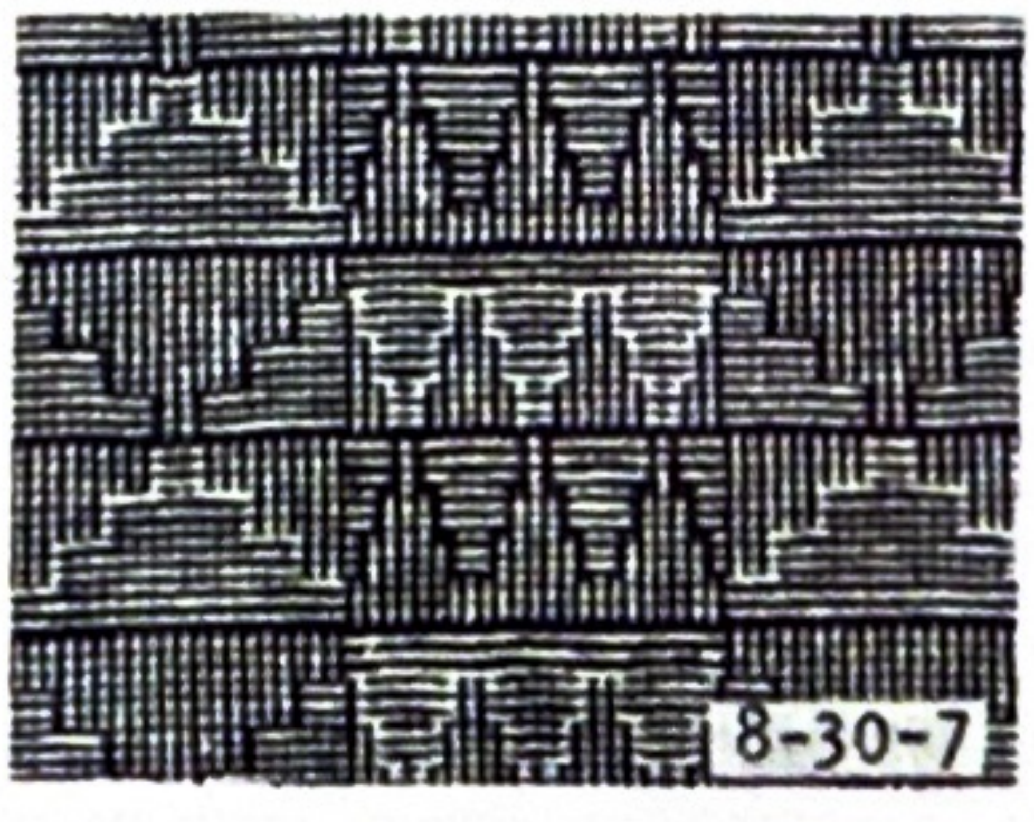
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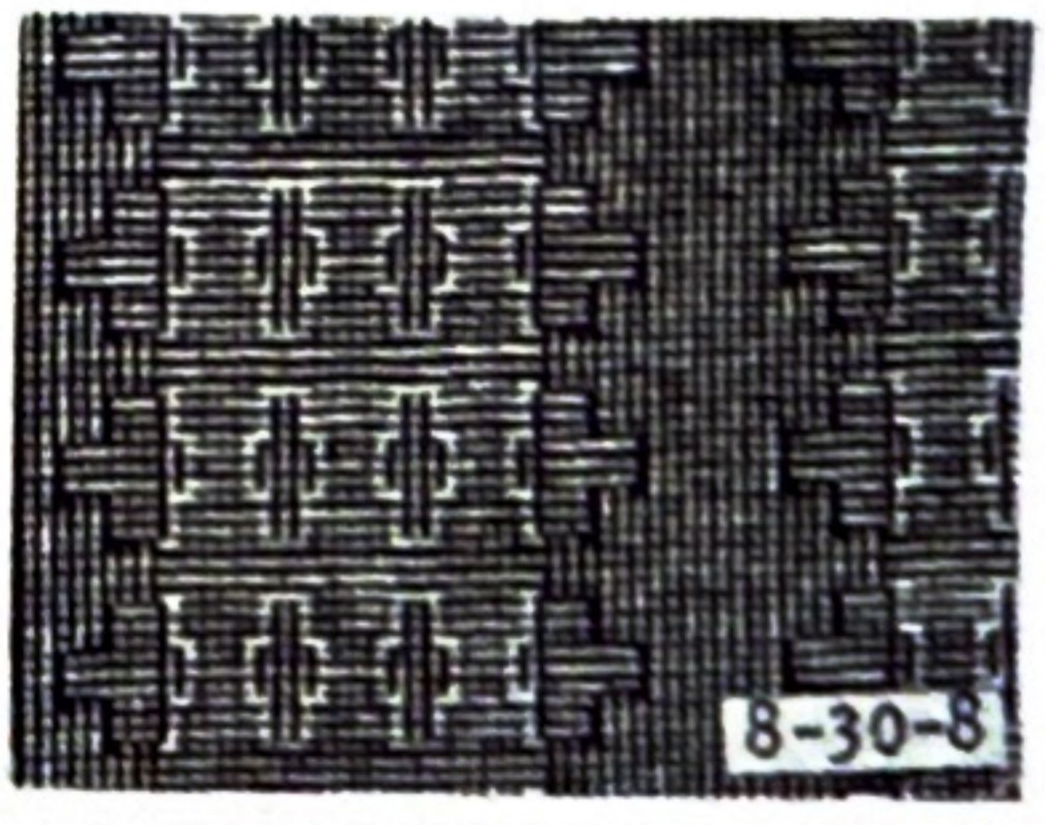
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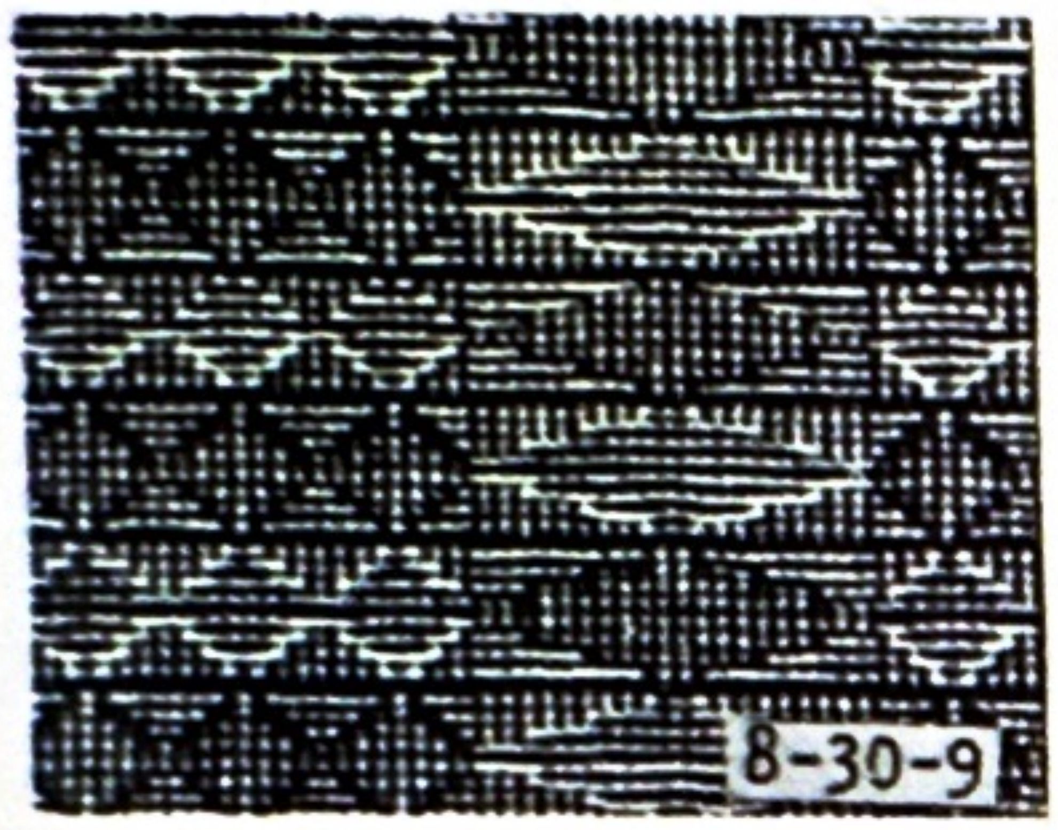

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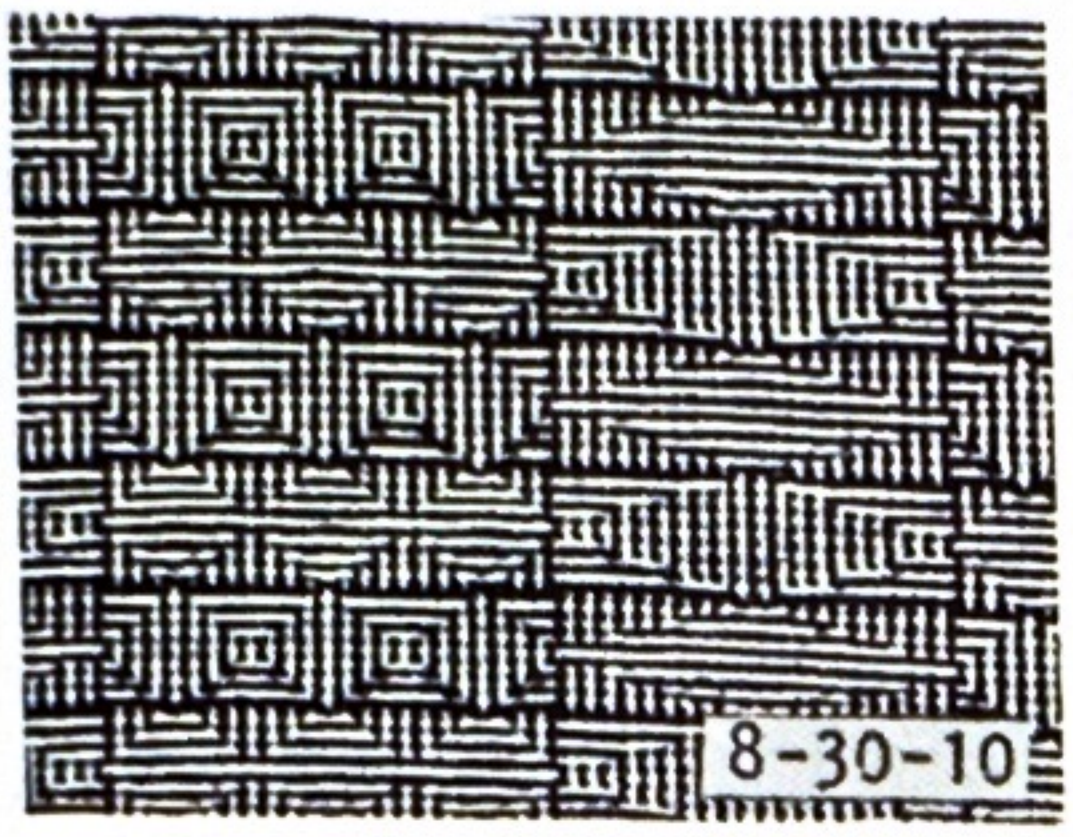

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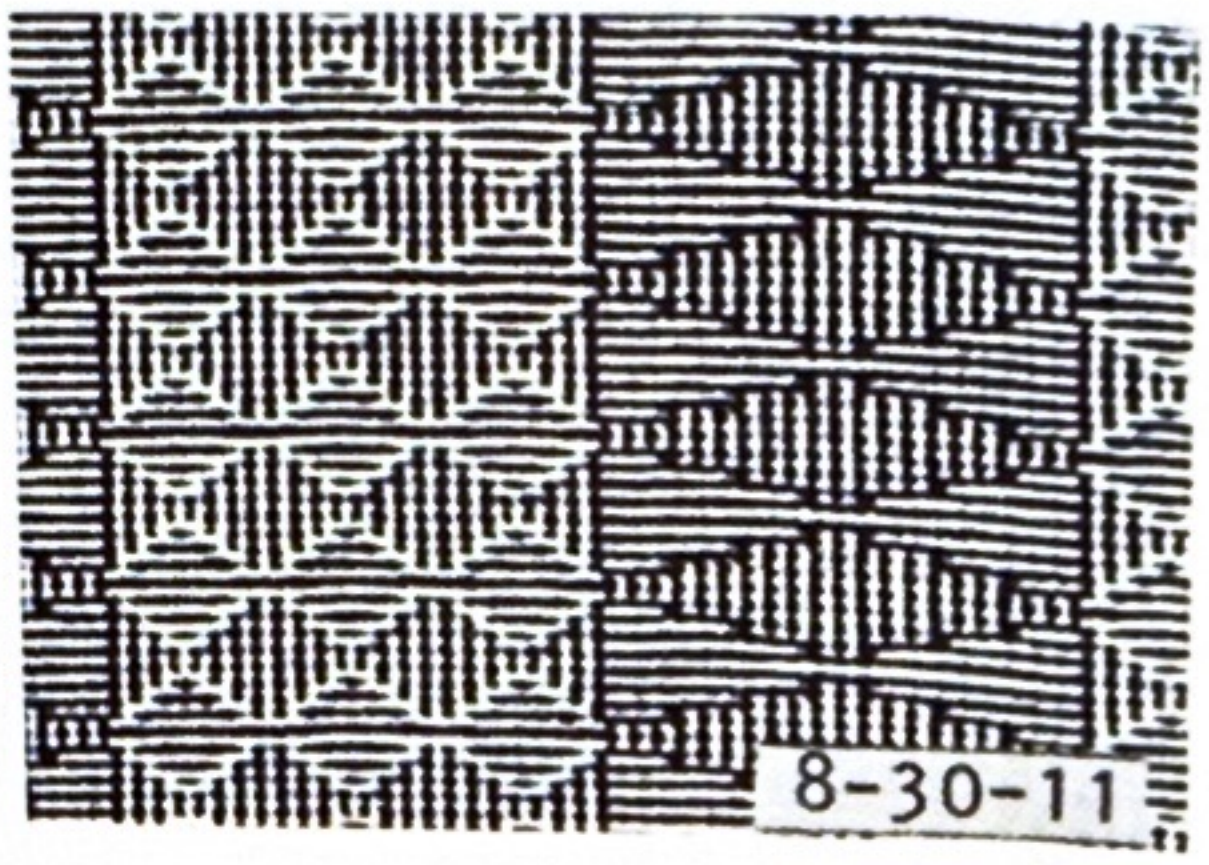

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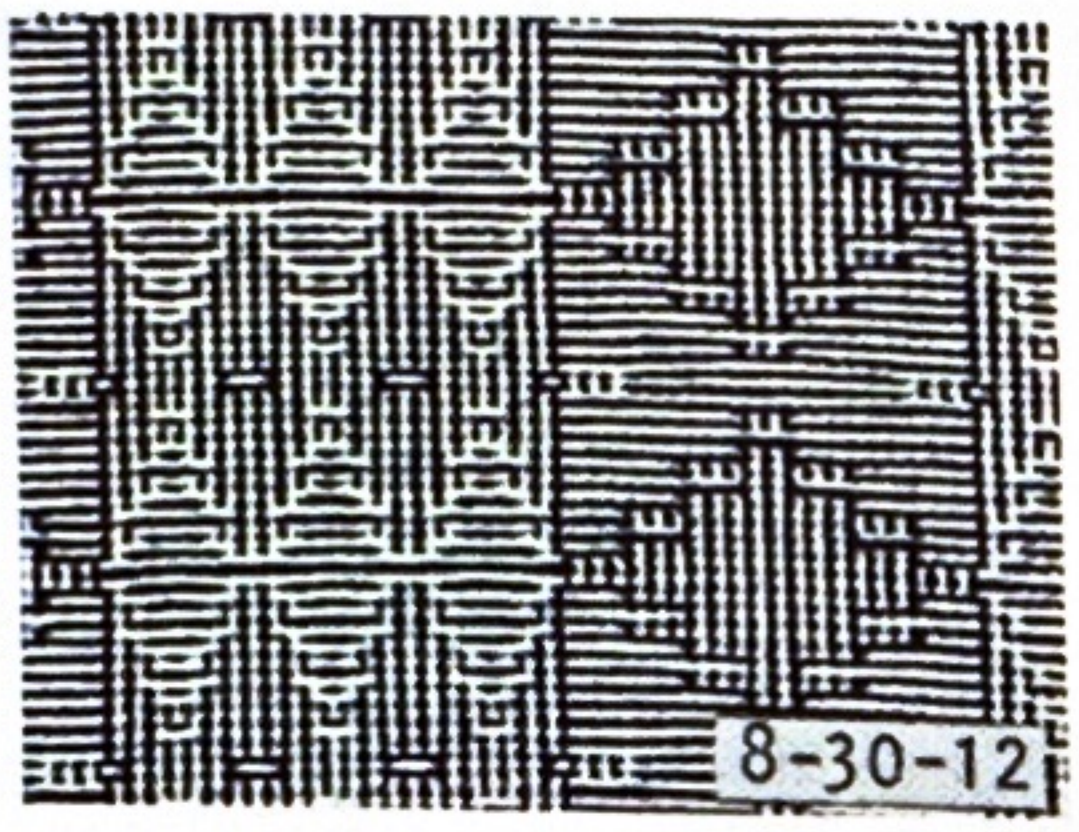

8-30-12

SHADOW WEAVE--Bibliography

Atwater, Mary	Shuttlecraft	Feb. 1942
" "	"	April 1942
" "	"	May 1942
" "	"	June 1942
" "	Tie-Up	October 1952
Jones, Winifred	" "	November 1952
Tidball, Harriet	Shuttlecraft	June 1953
" "	"	July 1953
Snyder, Mary	Tie-Up	April 1956
Black, Mary	Shuttlecraft	Aug.-Sept. 1959
" "	"	October 1959
Powell, Marian	"	March 1960
" "	"	April 1960
Longard, Evelyn	"	" "
Powell, Marian	"	May 1960
Bateman, Wm.	Tie-Up	May 1960
Powell, Marian	Shuttlecraft	June-July 1960
Byers, Mrs. Chester Coe	"	" " "
Powell, Marian	Handweaver & Craftsman	Summer 1961
Zielinski	Master Weaver	July-Aug. 1964
Bateman, Wm.	Tie-Up	Nov. 1964
Zielinski	Master Weaver	Jan. 1968
"	" "	March 1968
Unsigned	Tie-Up	April 1969
Tidball, Harriet	Weavers Book	
Collingwood, Peter	The techniques of Rug Weaving	
Bisom, Mary	New Weaves from Old	Hickman Folio
Powell, Marian	Contemporary Linen	" "
" "	Four Harness Shadow Weave	
" "	Multi Harness Shadow Weave	

TWENTY-SEVEN (27) BOOKS EITHER PUBLISHED OR DISTRIBUTED BY ROBIN & RUSS HANDWEAVERS

Order from: Robin and Russ Handweavers, 533 North Adams St., McMinnville, OR 97128

1. **A TAILOR'S PATTERN BOOK,** from Spain in the year 1589, by Juan de Alcega. This was originally published in 1589, and the Spanish title was "Libro De Geometria." It is a facsimile edition with translation, an introduction by J. L. Nevinson, and has extensive research on all patterns. It contains patterns for 23 categories of garments for men and women, the clergy, orders of knights, for tournaments and others, amounting to a total of 163 patterns. It first appeared during the reign of Philip II of Spain and Elizabeth I of England, when Spanish Fashion dominated European dress. Now republished for the first time, it is an invaluable source book for dress historians and costume designers. Size is 11" x 8", 279 pages, clothbound. Now in stock. and is a limited edition book.

2. **THE TECHNIQUE OF TORCHON LACE,** by Pamela Nottingham. This English lace-maker and writer has outdone herself again, and we are delighted to be the U.S.A. publishers for her book. It looks as though it is very thorough, and several teachers whom I've shown the copy to have commented that it is very well done. Due in late July or August.

3. **PAINTING WARPS,** by Hazel Farrow. For those of you who like to experiment with their weaving, perhaps you'll enjoy this booklet. Gives good details of painting your warp, after the loom is dressed, and before you start weaving, and shows some pictures of finished work, and step-by-step procedure. Very interesting, and we are republishing it.

4. **1,000 + PATTERNS IN 4, 6, AND 8 HARNESS SHADOW WEAVES,** by Marian Powell. I feel that the work on the subject of shadow weaves in this book is monumental. There is a tremendous amount of research into this weave, and it shows in this book. There are about 1250 patterns given. Of these, approximately 650 of them are 4 harness patterns, and about 300 are for 6 harnesses, and about 300 are for 8 harness patterns. There is a photograph of every pattern, so you can look at the patterns, choose one you like, and then weave it. There are a few grammar errors in the book, but the main subject matter seems to be well done. and well worth it. I've woven 5 or 6 of these myself.

5. **16 HARNESS PATTERNS, THE FANCIEST TWILLS OF ALL,** by Irene K. Wood. This book's content is very interesting. Irene Wood studied the weaves of Fred Pennington, and from these she wove well over 150 samples, and there is a picture and directions for all of these 16 harness patterns in this book. Beautifully organized by Mrs. Wood, she gives complete details, including a section on how to create your own 16 harness patterns. and is a good value.

6. **CARD WEAVING OR TABLET WEAVING,** by Russell E. Groff. Complete instructions for cardweaving, plus 53 illustrated patterns are given in this booklet. It has detailed directions for making the warps, setting up the cards, and weaving the narrow bands. Drafts for all 53 patterns are included.

7. **SECTIONAL WARPING MADE EASY.** This manual has 25 photographs showing sectional warping in the step-by-step stages. Text in both words and pictures makes this method of warping very easy to understand, and answers most of your questions.

8. **WARP AND WEFT FROM TIBET,** by William A. King. This Tibetan method of rug and tapestry weaving is most interesting. Exactly as it is done in Tibet, the author and his parents spent many years in Tibet, where they learned this technique. A good diagram is given on a small tapestry loom.

9. **BOBBIN LACE,** by Elsie Gubser. This gives complete instructions for bobbin lace, even telling how to make your own pillow and bobbins. Many drawings and photographs. 13 lessons on Torchon lace, one on tape lace, and one on Brussels lace. Also, 10 extra patterns explained by pictures.

10. **STUDIES IN PRIMITIVE LOOMS,** by H. Ling Roth. We were fortunate to be able to have this edition reprinted from the original Bankfield Museum notes. Profusely illustrated, this edition, to me, seems to be clearer and better done than the original Bankfield Museum publication. There are many different African looms both illustrated and explained, as well as looms from the Solomon Islands, from Indonesian looms, and other various vertical looms also. This book shows what could and can be done when you do not have available all of the modern technology and machinery, and is a fascinating study of many different kinds of looms.

11. **ANCIENT EGYPTIAN AND GREEK LOOMS,** by H. Ling Roth. Also reprinted for us from the Original Bankfield Museum Notes, this study of the Ancient Egyptian and Greek Looms is a most interesting one. There are quite a few drawings and diagrams, and a history of these looms is given along with a comparison to other looms.

12. **HANDSPINNING AND WOOL COMBING,** by Grace M. Crowfoot and H. Ling Roth. A former publication of the Bankfield Museum in Halifax, England, we are pleased to be able to republish these two publications in one booklet. Formerly titled, "METHODS OF HANDSPINNING IN EGYPT AND THE SUDAN," this publication will give many excellent ideas for the use of HANDSPINDLES of all types. Well illustrated, I feel you will find it an interesting text.

13. **AN EYE FOR COLOR,** by Bernat Klein. Fascinating. Anyone interested in clothes, weaving, art, furnishings, or creativity will love this book. Written by one of Scotland's most famous textile designers, this book tells of his inspirations, and how he transfers them into fabric. These are not tapestries, but woven fabrics inspired by the artist's own absorption with various subjects which he first paints (sometimes again and again) and finally expresses in fabrics with a variety of textures and colors that are breath-taking. There are 22 vivid color photographs. 136 pages, 8¼" x 9".

14. **LICHENS FOR VEGETABLE DYEING,** by Eileen Bolton. This book has 6 color plates, 5 of them of the varius lichens, and the 6th is a page of fleece, dyed different colors with lichens. There are 6 major parts to this book. 1. The Lichen Dyes, 2. The Lichen Plant, 3. The Orchil-producing Lichens, 4. The Boiling Water Lichens and less plentiful lichens which give dyes, 5. The extracting of orchil dyes, and 6. Extracting the dyes, boiling water method. Excellent descriptions are given of the lichens, how to gather them, and a list of the lichens in America is also given.

15. **A MANUAL OF HANDMADE BOBBIN LACE WORK,** by Margaret Maidment. Considered by many lacemakers to be one of the outstanding instruction books in the teaching of bobbin lace, this book was just republished by Robin & Russ Handweavers. It covers thoroughly many, many different areas of bobbin lace such as the materials needed, the general methods used, the various stitches; and then it teaches you about different famous laces such as Torchon Lace, Torchon Corners, Cluny, Beds-Maltese, Honiton Lace, Bucks Point Ground, and others. This hardbound edition is protected with a clear plastic cover.

16. **HONITON LACE,** by Devonia. This book is for the advanced Bobbin Lace maker who wants to make the "world famous" Honiton Lace. Has many pictures, and complete directions for each Honiton Lace pattern that is pictured. Originally published around 1900, the 2nd edition was in 1972 and now this 3rd edition is available. In paperback.

17. **A GUIDE TO LACE-MAKING,** a series of 10 complete STEP BY STEP LESSONS, as taught to the GIRL GUIDES IN THE BRITISH ISLES. This publication was out of print for many, many years, and we were able to get permission to have it republished, and think it is an excellent lace booklet for beginners. You will enjoy it.

18. **LACE IN THE MAKING,** by Margaret Brooke, just reprinted. This excellent book on lace making has been out of print for many years. The instructions are beautifully detailed and the writer had a real knack for expressing in words the processes of making lace. There are tips for beginners throughout the text. The laces increase in detail to provide the intermediate and advanced lacers with plentiful material. and it is a hardbound edition.

19. **NATURAL DYES FROM NORTHWEST PLANTS,** by Judy Green. The beautiful organization of this paperback book makes it the finest working dye book we know. Clear, brief, practical recipes and easy-to-use cross reference and related information bring weeds, trees and flowers into the dye pot for successful yarn dyeing without complications. There are recipes for about 50 plants, many of which grow wild across the continent. Has four full page color plates for easy reference.

20. **DRESSING THE LOOM,** by Ida Grae. This outstanding handbook for weavers shows the direct beaming method of warping, with an excellent large photograph accompanying each page of careful explanations. In this technique, the chain is threaded through the reed off the loom, then the threads spread out beautifully as the loom is warped. Details for tieing on a new warp and the proper use of a raddle are also included. This book was awarded a prize when originally published for the outstanding layout and design in the book and we are pleased to be able to republish it.

21. **WEAVES AND PATTERN DRAFTING,** by John Tovey. Out of print, I purchased the last 500 in print, and I wish I'd had this book when I started my handweaving many years ago. It is a text on the designing and drafting of patterns that is excellent. It is written in the style of an instructor in a textile school, teaching the weaving trade, and I think the instruction is outstanding.

22. **BASIC DOUBLE WEAVE THEORY,** by Sara Farrar. I feel this is one of the best explanations on double weaves you will find. It gives step-by-step instructions in 4, 6, and 8 harness double weaves, and is clearly written and easy to follow.

23. **200 PATTERNS FOR MULTIPLE HARNESS LOOMS,** with a secondary title of 5 to 12 harness patterns for handweavers. By Russell E. Groff. The titles explain what the book is. It is the complete directions for 200 multiple harness patterns with the threading, tie-up, treadling, threads used, and a picture of each of these fabrics. I think it is outstanding, but perhaps that's because I wrote it. Available in both paperback and hardbound edition

24. **TEBBS' ART OF BOBBIN LACE, INCLUDING THE SUPPLEMENT.** These two books have now been combined into one edition, along with the pull-out patterns that were in both books earlier. We are pleased that these are now in print again, and we are the distributors for the U.S.A. and Canada. It seems to be a very popular bobbin lace book, and we used to sell it about 5 years ago in each of the two individual books.

25. **THE MAORI MANTLE,** by H. Ling Roth. This is an outstanding study of Maori weaving techniques. It shows the different Maori finger work techniques used in place of a loom, and shows the use of the special New Zealand flax. It explains the Taniko work also. It is outstanding in its high technical level, and attractive patterns, and is particularly of interest to anthropologists for historical and sociological reasons. Paperback edition only.

26. **TEACH YOURSELF TORCHON LACE, 6 basic lessons in bobbin lace with workcards,** by Eunice Arnold. We were so impressed with this one that we ordered 1,000 copies of this book, and they are enroute to us from England. Eunice Arnold is a very well-known bobbin lace teacher in England, and she has produced a book that is clear and concise, and has the actual patterns on work cards for you to follow as you master Torchon lace. It gives good basic step-by-step instructions.

27. **SPINNING WHEELS, SPINNERS AND SPINNING,** by Patricia Baines. This outstanding book was printed in England, and it is exciting in many ways. It has one of the best histories of spinning through the ages I've ever seen; it explains the differences between many different wheels, and then it goes into the step-by-step spinning process. She teaches you how to spin, how to use a drop spindle, how to use different types of fibers, and many, many other related subjects.

NEW PUBLICATIONS COMING SOON:

1. **100 MINIATURE, 4 HARNESS WEAVES.** These 100 miniature overshot weaves were worked out by Marian Powell, the author of the book, 1000 plus patterns in 4, 6, and 8 Harness Shadow Weaves. Each pattern will give the treadling, tie-up, and threading, and also a draw-down of the pattern, and all will be for 4 harness looms.

2. **COMPUTER DESIGNED PATTERNS FOR 8 HARNESS WEAVING.** The copy for this is now finished, and it will be our last of the books to come, It is interesting to see that you can set the computer to work out different patterns as has been done here.

Prices on request

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